cgctgccggc gcccccgacg aggttgcccc cgaccgtatt cgcgccgacc ccgatggcct 240

ctcccccggc cccggccacc gacgccccca ccggcgctcc ttccgcgatg acgccttccg 300

cggtcgacgg agcacccgtg ggcgcacctg acggtgcgcc cagcggtacc acccccggca 360

gcttcgccgt ctacgcctcc ttcgtcagct 390

<210> 4506
<211> 517
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316099b01b1

<400> 4506

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caacaggtgc aggctcacat tgctaagctg agaaggcagc taagcatgat agagggaatg 120

ccccagcaat ccagagttat ctctggtcct ggtcaacagt ttgggcacgg ctaatggaac 180

ggtagctgct gtaaggaaga tgctgaaacc tgataacaac tcgctaacag aatgtgatga 240

atgtgtcttc attgacgtct taggctcgca attgatgttt agtgctggcc agtgtgcata 300

aagcgcaacc tatggattgc accgcctttg tgcattttga aatcaacggg agcatggagt 360

acctgcctta aattatcacc cgctgttctc tttcttttat gttccaatag aagcgtagca 420

catcacaggg gtgcaaagcc tattctgctg acataatgga aaatgctatg cattgtgcga 480

accagtaaag taagtgttaa tttccgaaat cacttaa 517

<210> 4507
<211> 463
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316099b02b1

<400> 4507

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agcagacaca atgtacagct agaacaagag cgagtacaac ccgagggcat cgtgagtgac 180

ggaagcacat tgtgacagtc acactagcgt gtatcagatc ctgcaataag cgaacaccag 240

gaacgattac atgtatggat aagctggaga gttccaccac actaaaacat tgaaaacccc 300

atgggcctgg cggccctgag cttaacgtgc tgacgttctt tcagagcttg cgacctgatt 360

gttgaactaa ggcatgtaag ccaatgaaag accctaagtt atagataaga aggacgggca 420

gatcgcgagc ttttaaaaaa aaaaaaaacg ggcggcccat tct 463

<210> 4508
<211> 127
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316099c01b1

<400> 4508

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gcggcttcca cctcggcccc ggcgaagaga ccaccttcga cgtgccggta gggtggtcgg 120

ggcgggt 127

<210> 4509
<211> 496
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316099c02b1

<400> 4509

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ctctctgtgc caggattcgg attccaaaag tctgactctg ctgtatgatt cgtcttcagg 120

ctgccatgga aactatgatg gcagagactg ttgaagatgg tcagacccca agttcaattg 180

cagagctcgc ttccaaggta ctctcccatg tcagttccac aagctcgctg gagtcgccgg 240

ctgttcaagt tcttgaggat aaactcgagg cagaaagacg gggtgcagtt gcgctccggg 300

aagaaatcag tgccctgaat aagcgagcag aaaaagctga tgtggtaatc gcgaaaaccc 360

aacaggagat ggatgaagtc gggaagaagc aagccgagac tgaccagatt ctttagtttc 420

tgttactgag tactcagggt aaccccgttt ttagtttctg tcgggactgg tgatctaccg 480

gatgtgtgct tactta 496

<210> 4510
<211> 484
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
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<400> 4510

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cggagcagca acgaatccgc cgccgcccgg caaaagggat ccaaagctcc aatggctggc 120

aagtacatcg tcgccggcct cgtcggctcc tgtgtcatct cgtatgcctg tgactacatc 180

gtttctcaga agaagatctt cggtggcacc atcccaggga ctgtgtccga caaggagtgg 240

ttgaaggcga cggagcagag gttccaggcc tggccccggg tcgctgggcc gccggtcatc 300

atgaacccca tcagccgcca gaacttcatc gtcaaggacc tcaacccctg aggctcaaga 360

tcttaaggtt tgcggtcggt tggaaccttt accctgatgg cgatgcctgt tgctaaatct 420

acctatgtgt gctggctgta ctctcgaggc ntatttgtct gtcgcaataa ttaaaacaac 480

acta 484

<210> 4511
<211> 84
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316099c06b1

<400> 4511

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ctacctttg aataattgac aata 84

<210> 4512
<211> 227
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316099c10b1

<400> 4512

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ttggaagagt gaaacacttt gacaaataaa acaacgtcca tgttcttccc tcctataact 180

acaattaatt tataaaaaaa tatattttct agaaccacta aatgggc 227

<210> 4513
<211> 61
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316099c11b1

<400> 4513

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a 61

<210> 4514
<211> 361
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316099c12b1

<400> 4514

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ccgacgaacg gtagagaaaa ggtaagcatg aacgtcggga attggccgag atgcacagat 120

ctgtggtggc catggcgtgg ttacagtacc gatcgatatg atgatcggaa gctgattggt 180

ttgctcctgc gtgtagtgag gtgatcatga gcaccatggc tatgtcggtg ctgaacccgg 240

acgcgcccat gttcatcccg gcggttttca aaaaggagga ggactacttg cctttgtggt 300

gtgagttggt caagaccact ctattgggta ccgtgtccac tggtttttga cagaaccagc 360

t 361

<210> 4515
<211> 114
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316099d11b1

<400> 4515

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gcgacactag ccagtggcta aacacccgat cctttcggta taataccttc cttt 114

<210> 4516
<211> 423
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316099e04b1

<400> 4516

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atgcagctcg tgctgcgctt tacctctcag gttcaccggc ggcgacggcg gtgcgcggcg 120

gaggtatcta gctagctagg cgggtgttag gccgtgtagg gcaactatac atctttggca 180

atgtcttctt cttcctcctc catgggagga ttgtaatgga gtgtgtaaac tgtgcgtgca 240

tcccctgggc tgggctctcg ttcgtggaaa ctcaccgtct tgcatttcta cgaccaatac 300

tggtgctctg ttgcctcgtt gaaaagaaat actatactag tgctcttgtt gtggaggctg 360

ctgtattcct gtttgtggcg agctggtgtt attgtcatgt caacttttta ccgttgatct 420

ttt 423

<210> 4517
<211> 98
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316099e06b1

<400> 4517

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ggtttagtag tggggaagag gttgaataac aacaattt 98

<210> 4518
<211> 227
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316099e07b1

<400> 4518

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taccaacggg catgatcatg ggcttcgtgg ccagagtttt atgcggaggc agacgttgac 180

gaaagaagaa caagtaagcc cacactttcc ttctactatg tagaaca 227

<210> 4519
<211> 358
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316099e09b1

<400> 4519

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aacatcattt gaggatcacc tgctgtggca ccctgactgc aataccaata acatatacat 120

aaccagtgat caagatctta ttatttctta ctgcaaggct gattccactg attcatcttc 180

agaagaaaat gctggctcta taaacattag caacatactg acagggaaat gcttggctaa 240

ataaaggctg gcaatttcaa cgagcaaaaa atacatggaa gttacagaat acaattactg 300

aggcttttga ggacatcaca ggtttgtacc tacgataaca gcgtgatgag atctacac 358

<210> 4520
<211> 389
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316099e10b1

<400> 4520

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ggcgagcgca tgcggtgaag gcggtggcgc ccacataaac ctcaaggcca agggccagga 180

tggcaatgag gcgttctttc gcatgaagag atctacccag ctgaagaaga tgatgaatgc 240

ctactgggac cgccagtctg tggatatgaa agctatcgcg ttcctgtttg acggccgcag 300

gctccgattc cgagcagacc cctgatgagc tcgagatgga agatggcgat gagatcgacg 360

ctcagattca ttagaccgga ggtcgcctt 389

<210> 4521
<211> 496
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316099f03b1

<400> 4521

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agagggcgag atgggggcgt tcgaatctgt gcccgagacc tccgtacacg aatttaccgt 120

taaggattgc aactggaagg aggtgtgcct ggacacgtac aaggggaagg ttcttctcat 180

cgttaacgtc accttcaaat gcgggttcac ggagactaat tacactcagt tgactgagct 240

ttattagaag tacagggaga aagactttta gatattagca ttcccctgca acccagtttt 300

tgcgacaaga gccaggcagt gaccagcaga atccaagact ttgcatgcac aagattcaaa 360

gctgaatatc cagtttttta gaaggtgcgt gtaaatggcc cagatgctgc gccgctttac 420

aagtttctga aagctagcct acctggtttt gttgtgtcaa gaattaagtg gaactttacc 480

aagtttttgt tgccag 496

<210> 4522
<211> 464
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316099f11b1

<400> 4522

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ccactcttta taatttcctg aggtaaacta tcactaataa gttcatcgat gtgtttgaaa 180

tactgtaaag agatttcttc ccgctgtcac cagaaaatat tggcttttaa tgtccatcga 240

tttacataaa cctggaaaag gagaaacaga ccaaaagagt aaatttggga atggtttacc 300

gcgcacacta taatctgact aaagcaacac aaatttttcc gagaaacctt ttctaatcaa 360

ttcatcaaca tcaatgcggt tgaaatacca tgaaatcttc ccttttactg gaattcaggt 420

aacattgaat ctgaatatac aatctatata cataattttg aaaa 464

<210> 4523
<211> 197
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316099f12b1

<400> 4523

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catccctggg tcgatcggtc ggtcagtagt cgagtcattt tgtggtgcgt tcgtgcgtgg 120

agctgtaaaa gcgtggatga gctcgatctg ggaccaccga ccctgtcaat ttgcttctgt 180

aaaactgtga attcgcc 197

<210> 4524
<211> 427
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316099g03b1

<400> 4524

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agatctctcc tctctagtca taccccgctc tgtctctgtc tctaggtatc gctgtctgga 120

cggccgcgcg gcgctgcgaa aggagacaac gatggaagag gacgagtggt ctggccgagc 180

ctgcgccaag caagcgcgcg ctccaggcgg gacagtggtg ggcagtagag ccggatgggc 240

gggccgaacc ggcaggctct acccagggcc caactgcgcg ctgaccgaga accgacagag 300

ggagtgggaa cgaaaagaca ggaggaccgt ggacatggaa gtcgaaaccc gcgaaggagt 360

gtgccacaac atagctgccc gatcaactag ccccgaaaac ggacggcgct gatgcgcgcg 420

acccaca 427

<210> 4525
<211> 195
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316099g04b1

<400> 4525

tcgcttacgg gtgcgatcac gcgtcagcgc gaggggggtca ttatacaacc agccgttcaa 60

ggggctagac cacgagaagt tgaaggagat ggaacatgac tattaggtga tgtgtgacca 120

tgataggcgt gagacctata atcagtgtat ggaagaagct ctgaaggagg gaatggttgg 180

aggaggaggt ggatg 195

<210> 4526
<211> 203
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316099g07b1

<400> 4526

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gacattgaca cgctccgtgg atttgatcca gccatgaacc tggcggtgga taacactgtg 180

gaggtcaatg gagactaaaa gac 203

<210> 4527
<211> 510
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316099h04b1

<400> 4527

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ccacaagttg tcactggctc acatgataca actatcaagt tctgggatct tgtagctggg 180

aaaactatgt gtactcttac acaccataag aagtctgttc gggccatggc actgcatcca 240

aaagagaaat catttgcatc agcatctgcc gacaacataa aaaagtggag cctgcccaaa 300

ggcgaatttc tgcacaacat gctgtcccag caaaaaacga ttctgaatgc aatggctgtt 360

aatgaggatg gtgtcctggc aactgcaggg gacaatggaa gcatgtggtt ttgggttgga 420

aggaatggcc ataattttca gcaagaacag actattgtcc agcctggatc attggagagt 480

gaagcatgta tatatgccct tttttatgat 510

<210> 4528
<211> 474
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316099h06b1

<400> 4528

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gggggaggga gttgacaatg gggcagtgcg gatgcttcgg ggcggtgcag aaggagcagc 120

gggcggaggc cgaccgcctc gaggcgcagg aggcccgcgc aagggccgcc gaggccgccc 180

agaagaggca gcaggaatat gaaaagtcag ctgctggacg agcagcacga gcacatatta 240

aagctatgaa ggaggccaag acatcatcaa accaaggaga gccggttctg aagtggcaga 300

tggggtaaat catcgtatgt gtccttgcaa ctttcagcgt gttgttgatg gtgtgtggaa 360

gcttgttttc ttttgatcat gcgatgccag ttggtcacct aactcagttg tgatttttgt 420

cagtgaaatg tacattcttt taggcactgc tatacacgcc ttttcagaga gtta 474

<210> 4529
<211> 488
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316099h07b1

<400> 4529

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cttgccgtgc cttcttccgg gtgcaccgga ggctggcatg tgagcaggga tgcttcagtg 180

atgcacaaga aaaacggcaa gtcttatcgg caagggaagg ctacgccttt ctttcaggtg 240

tccctctctg catctaaatc tgtgtatgga ggagggggct acggttagtt tacccaccgg 300

tttactgcgt tcttgtgagt tgtgatcatt atcatgcact tgtcagttgc ttgacatgta 360

tggcgttctt gaattttcag ctacataatg gtctgttgtg tgagtgaatg ctatggcgtt 420

cttgaatgct catgtgacag cctgtgtgtt gactgtcctg tgaggcaata ctaaaaaaag 480

tgtgatgt 488

<210> 4530
<211> 577
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316099h08b1

<400> 4530

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attataaaaa tataagggta tttatattat atattaaact ctaattaata ttaattactt 120

actctctttt ctattctctt ttcttttccc ttttctcctt tctttccctt caaaatgggg 180

ggggcccttt ttgggggtcc ccgttttctt ccccgttgct ggcccctttt ttttttttt 240

ttggggcccc ctattttatt ttcctgggcc gtgttttccc cccgttgggt tggggaaccc 300

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tccgggggggg ccccccccg ttcccttttc ccaacgttgt ccccccttt ttgggattgg 420

gcccccccct ttttggggcc ttataggcgg gggggggggg gggtttcccc ccgggtgccc 480

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ccttctgcgg gtttccccgg gggtttttat ggggggt 577

<210> 4531
<211> 498
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316100a02b1

<400> 4531

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cgcggatgga gctcatgtcc aggaggacct ccggcgtcgt ctccttcgcc acgtgcaccg 120

gttcgatcta ggaccgctca aagcctcgcc atcgagctct tctccgccgc ggacgtcaca 180

accttgccgt cgtctgctgc tcctggccct caccgagcct ttcttgagct ccccgatgcc 240

accgccgacg gatgctacta cgtggatacc gctgacgacg aggagtagtt aggaggtccc 300

aggcaggagg tcttgcctct tcaatcgttg ttgcttttgt gtttgccttc taaaagcagt 360

cttgtttaag ttatgtctgt gctcagatat tgttgcttcc gctgatgctt gtgtatcgag 420

cttgtattcg agccctagag gcctctggct tgtgatataa agcttggatt attttgaaaa 480

aaaaaaaaaa agggcggc 498

<210> 4532
<211> 532
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316100a03b1

<400> 4532

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cggctggaac atctgctcgg ccaagacaag aagatgccca agagttccta agttttgtca 180

tggatagaat gcatgatgaa ctgttgaggc ttaatggcaa tggttgaaat tcaaaggaag 240

gcatggttgc tttttgtgat gatgaccatg cctgcgagac tgtaggtagg aagaacacat 300

ctgcaatcat gaggacaaca gagttttgtt cccttcgatc taagcgctat ttttggaggc 360

aagctacaaa gtgtagtgaa agctgcaggt aacaaaacat cagcaaccgt tcagcctttc 420

ctggtgcttc atcttgatat atttccagat gccggtcaaa ccccttgacc atgcacttca 480

tttgttttcc acccctgatc tttggaagga tacagaacaa ctggtggaaa gg 532

<210> 4533
<211> 543
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316100a07b1

<400> 4533

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gccaaagccc aaaaatcccc ttgatctact gccaccaagc aagatggtac ttgatgactg 120

gaagaggcta tactcaaaca ctaagagcaa cttccatgat gttgctgtta aaggtttctg 180

ggagatgtat gacccagagg gctactctct ctggttctgt gactacaagt accaggaaga 240

gaacaccgtg tcctacgtga ccctgaacaa ggtcggcggg ttcctgcagc ggatggatct 300

gtgccgcaag tacgcttttg gcaagatgct cgtgattggt tctgaggcgc ccttcaaagt 360

caaggggctg tggctcttcc gtgggcagga catccctgag ttcgtcatga atgaggtcta 420

tgacatggag ctctacgagt ggactaaggt tgacctctcc gacgaggccc aaaagaagcg 480

tgttgaggcc atgatcgagg accttgagcc gtttgagggg caggccttgt tgacgccaag 540

tgc 543

<210> 4534
<211> 491
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316100a08b1

<400> 4534

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ctgcggcggg cggctgccga cggggacccc ctacctggcg tggacgcagg gggcggtggt 120

cgcctccctc ctcgccggcg cctccatcga ccacaacata tacaagcccg acatgaccct 180

cccgccggtg gaggccgccc acggcaacgg agccggagcc acagacggag gcacgcgcac 240

ggagagctga gctaaatgtg acggctggcg ggcgcccgag ctctgctcga tgcccatgag 300

gatggattta ctacagtgtc attagtcctt actttctttt tacctctcaa ggcagcatgc 360

aagcgcggcg ccattctacg tgctagctcg gtcccaacat atgcggagat cttcgtccgt 420

tctgctgggt gttcaaacct ggacaaagac aacagctgga gccgtatctt cagtactact 480

ctgcctaaac t 491

<210> 4535
<211> 397
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316100a11b1

<400> 4535

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acactgaaca aggcacgagc aacgacgact cggtgggctc taagcggtgg cgatccgatg 120

ggctcccaac gcttaatggg cggctgatca accaggggcc acgcggcgag atcgtcatca 180

tagcctgcgg cgcggtggtc ctcagcacca ggtgaaggaa ggaagaagag gacttgattc 240

attaagttgt cgtcgatgag attttcctct tgtttgctag taatgcacgg aaaagctttt 300

ctttgtttga gcaatgaaaa catagattaa ggagtgaaag gtatgcaaag acaaacatga 360

ttctattgtt actctgtcac acacccccaa gtgtctt 397

<210> 4536
<211> 494
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316100b01b1

<400> 4536

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caagaagtcc gacgaagact atgaggagta ccgcccatac gcaggctacg gcgccaacac 240

caaccgtggc ggggccaacg aaggcggtgg cggctacaac ggtggttacg gcggcggtgg 300

cggtggttac aacaacggct acggcggcgg tggcggtggc tcgtacagta acggtaacgg 360

cggtatcacg ccctacaacg gtggcggtgg cggctacaac aggaactctt cctacggcaa 420

cggtgggggt ggctacaaca acaacttctt ctacggtaac ggcggcggcg acgggtacaa 480

caccgttcca gctg 494

<210> 4537
<211> 330
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316100b02b1

<400> 4537

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gcggtgtggg ctcgcgcctt ctgccacagg cggtggccat cgccatcgcc gtggccgtcg 120

cctgctgcat ggccgcctcg ccgtcgtcgg cgcaggggac gacgacgccc gcggatgcca 180

ccggcgcgct tccgtcttgc tcttctaagc tcgtgacgtg cgcggtctac ctgaacacca 240

ccgacacgcc gccggagttg tgctgctacc cgctcaagga ctcctcttcc acccacgctg 300

gcgttgcttg cccgccatcc tcatgaacaa 330

<210> 4538
<211> 428
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316100b03b1

<400> 4538

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gtcctatgta tatagaatct aggtataggt tgaggtcgag tagtgcccat gtggcgtatg 180

gctgtatgcc gatgtggaga gcgccgccgc cgcgtacgag cagcggctgg tggctcacgg 240

tggctgcgtc tcaggcaagg ctggctggcg gccagtctct cccgaggggc gtgctgctgg 300

ctcatccacc aataagctcg tctggtcccc tgttctggag gctctccgct acttctctaa 360

gctcgtggcg tcgccgtggt ggtgaagacg aagagtagaa gagatgggga accagatcgg 420

gtcagtgc 428

<210> 4539
<211> 193
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316100b04b1

<400> 4539

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ggggttcggc tccgactgtt gatagagcta caacttaatg ttctccatac aatttgctat 180

gtgcactcta tga 193

<210> 4540
<211> 446
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316100b10b1

<400> 4540

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aaaaacaaaa actccaaaag cacaaaaacg caccaactgg cacaactcaa ggccacacaa 120

aaaccaaaga aagggggggg ggggcttaag gggccccagg tttactgccc gggcccggca 180

gcgccatggt ttttctttgg ggcccccgaa gtccaaccga cgggcccgcc ttttccaccg 240

gcgggccggg aaaaacccgg gggtcccccc ctttaaggcc ctgggggcaa atcccccttt 300

cgcgggtggg ggtacaacca aaagggcccg cactgctggc cctttccaaa agggggccac 360

ccggaaggga aacggggccc ccccccttggc cgggcccatc acgcgggggg gggggggggg 420

tctcccgaag ggggcccggt cctttt 446

<210> 4541
<211> 204
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316100b11b1

<400> 4541

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ttttgtcttt gttgagcaaa attaggaggc taggatgacc ttgtaaagta aaccctgtat 120

atatggcatc ccatggctta ttacaggttg gctcaaaaaa aaaaaaaaaa aaaaaaaaaa 180

ataaaaaaac ataaaaaata acaa 204

<210> 4542
<211> 466
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316100b12b1

<400> 4542

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cctgtgacca accatgttca gagcgcggag caacacaacc aagatgtcaa ctctcttggt 120

ctcatctcct caaggaagac tgcagaggcc attgacatat tgaagctcat gtcctcaaca 180

ttcttggtcg cgttgtgcca ggctatcgac ctccgccacc ttgaggagaa tgtcaagaat 240

gctgtcaaga gctgcgtgaa gacagtggct aggaagacac tgagcactga taacaatggc 300

catcttcaca acgcacgctt ctgcgagaag gaccttctgc tcacaatcga ccgtgaggcc 360

gtgttcgcgt acgcagatga cccctgcagc gccaactacc ccctcatgca gaagatgcgt 420

gcagttcttg tggagcacgc cttggccaat ggtgaggccg agcgcg 466

<210> 4543
<211> 230
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316100c01b1

<400> 4543

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ttgtgttaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaacccaaaa 120

aaaaaaaaaa aaaaaaaacc aaaaaaaaaa aaaaaaaaaa ctaaaaaaaa aaaaaaacaa 180

caaatcccaa ccaacacaca actcaacatt acaccaaaac aaaaaacaaa 230

<210> 4544
<211> 425
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316100c11b1

<400> 4544

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ctccccccctg ttccgctcct tcctcagcca gaagggcggc gcgtcctccg acaagaggaa 120

aatggaagag cagaagccga aagaccagag gttcaaggcc aacgagaaca agcctgtaat 180

gaacgaatga gcatcgcctg gacagtccgg tgcctgcaag gcctagctgc caatcatgtg 240

acactcctat gttaaaatga gtggtgtgaa catctgcttg gtcgttctga aaactatcca 300

agtatccagt actgtgtttt aagttcctat atatctgaac tgcatgcctg gaatgataaa 360

ttaggagaat ttatcttgcg atgtcttctc atggagcatt caagttttgg aatccacttc 420

cagtt 425

<210> 4545
<211> 62
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316100c12b1

<400> 4545

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ga 62

<210> 4546
<211> 377
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316100d04b1

<400> 4546

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ggatatgcca aagttaccgg ttccatctgg gggtcgagtt atttagacag gcagatgaag 120

ctggggaatc tttattgaga atgctctggg atcatgaaga tgctattttg tgctgttctt 180

tcaaggaaaa gcctgtattt acgttcgcaa acgagatggg aattaacatg ttggaaacat 240

ctttcgttgc ccttcaagat ctctcgttgg acaagatatt tgatgaagct ggtagaaagg 300

cactatactc cgagatccca aagctgatgg agcagggctt tgtttacctg ccaggcggtg 360

tgtgcttgtc tgggatg 377

<210> 4547
<211> 150
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316100d06b1

<400> 4547

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gtagctttgt agttgccatt tgatacagga gaggggtat agcaggaaat gtaatataaa 120

gcgtaggtgg tgggggtgac tggcgttacc 150

<210> 4548
<211> 184
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316100e02b1

<400> 4548

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tttatttatt tataaatgtg gccatatgca tcttgtctga tgcagaggcc ggggaagtct 180

ccct 184

<210> 4549
<211> 65
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316100e04b1

<400> 4549

acgacatcat atatctctta tagagtgacc caaactcaac atcactgcgc gccgccttat 60

cacca 65

<210> 4550
<211> 77
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316100e06b1

<400> 4550

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caaaactcta ataaaaa 77

<210> 4551
<211> 320
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316100f07b1

<400> 4551

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ccaacccgac ccgatctccc ccctcctcct ccgtcgccat gggccgcaag ctcttcgtcg 120

gcggcaactg gaaatgcaat ggaactgtcg aacaggtaga gagcatcgac aatactctga 180

acgctggaca gatcgcctct acggatgctg tcgaggctgt cgatagcccg ccctatgact 240

tccttcccac cgtcaagggt aagctgcgcc cagagatcca agttgctgct cagaactgct 300

gggtgaagaa gggcggcgcc 320

<210> 4552
<211> 173
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316100f08b1

<400> 4552

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ggtcgcgcat ccacttgatg gatccgtcgg cggcagagcc tgcgccacca cgggccgccc 120

cgggcagggg ggcggaccca gcggagcggc gcaggcggcg gagcgggacc aca 173

<210> 4553
<211> 440
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316100f10b1

<400> 4553

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gaagcagtgt ggagcacgct gctgctacct ggtcatgctc tcagcagtgt gaatctccag 120

aagcatgctt gccgtgcctt cttccgggtg caccggaggc tggcatgtga gcaggggtgc 180

ttcagtgatg cagaagaaaa aaggcaagtc ttatcggcaa gggaaggcta cgcctttctt 240

ccaggtctcc ctctctccat ctaaatctgt gtttggagga gggggctacg gttagttcac 300

ccaccggttt actgtgtcct tgtgagttgt gatcattatc atgcactcgt cagttgcttg 360

acatgtatgg tgtcgttctt gaattttcag ctacatataa tggtcggttg tgtgagtgaa 420

tgggagtgtg ttcatgtgtc 440

<210> 4554
<211> 474
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316100g03b1

<400> 4554

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gctcccaaag ttgctgttgc caagaagggc gatgccaagg cccaggctgc caaggttgcc 120

aaggctgtga agtccgggtc aatcaagaag accgcaaaga agatccgcac gtctgtgaca 180

tttcaccgtc ccaagaccct gtccaaggcc agggacccca agtaccccag gatcagcacc 240

cctggcagga acaagttaga ccagtaccag atactcaagt acccgcttac cactgagtct 300

gcgatgaaga agattgaaga caacaacacc cttgtcttca tcgtcgacct gaaggcagac 360

aaaaaaaaag atcaaggctg ccgtgaaaag atgtacgaca tccaggccaa gaaggttaac 420

accctgatca ggcctgatgg caagaagaag ggttcgtgaa gcttgacccc agac 474

<210> 4555
<211> 274
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316100g06b1

<400> 4555

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gtggtgtacg cgctgtcgcc gttccagcag caggtgatgc cgggcctgtg gtaggacatc 120

atcaccaaga tccaccacat ggtgtcccct aactggatct ccttcactgt tcttcatcac 180

ccctgtcgtc tgcacctacc agtacccgat gttctattaa ggagcatgag aagctgtccc 240

acagatacta gatgtgaagc tttgtcaaat gtca 274

<210> 4556
<211> 500
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316100g07b1

<400> 4556

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caatggcagg caaggcatca atcgcgttgt tcctcgccgt gaacttggtc gtgttctccc 120

tggcaagcgc gtgcgggggа aactgcccga ccccgtccac gcccactcca tcgacgccca 180

ccccgacccc ggccccgctc ggcaggtgcc cacgcgacgc gctgaaggtg ggcgcgtgtg 240

tcaacgcgct gaacctgatc aaggtccagg tgggcaggcc gaccgcgttg ccgtgctgcc 300

cgctgctgga tgggctcgtc gacctcgagg cggacctgtg ccctctgcac ggtgatcaag 360

gccaatgtcc tcaacattgt ccagttcacc cttcccatta acctcagcgt catcctcaaa 420

cactgcggca agaaagcgcc caccctgatt catgtgctaa gcgatcagca aggtgtggca 480

tgctgcccac gcatgccttt 500

<210> 4557
<211> 479
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316100g10b1

<400> 4557

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tggtatttct gaagagcaag caccagctgc tggtctggta gctgatcttc ctctgcagga 240

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gataatgatc agacaagggg agagtcgtgg ggggcgtttc gtcaaccctt ttcttgaagg 360

tctagttagg atagtctccc ggatcacatt tatcttggag gatgatccag atattattgc 420

ttgtgcttgt gaatacaatc tcactgcact atttagtgat ctgcttcaga tgaatggtc 479

<210> 4558
<211> 262
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316100g11b1

<400> 4558

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ggccatgagc tgcggcggcg tggggcacgg cgggtggctg ctggactacg gcctcgtgga 180

ggaggagatc caggcctccg acttcatcta catggtcgac gacccgtcgg tcttaagctg 240

catactgggg ttcgatgttc cc 262

<210> 4559
<211> 511
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316100g12b1

<400> 4559

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tgccgggcgt ggaggtaaac gatgagatca ccaaggccaa ggagtctgtc acggccatct 180

tcaaggccgc cgaggcctac ctcgtcgcca acccggacgc ctacaactga accagctgag 240

agggaacaca tatggttatg attatgatta tgctggccct ggtatgattt ttgtgtgctt 300

ttttcctgat ctaataaagc cgctccaatc gcaagtagtg acgcgggagc actgagcaga 360

gtgtggactt gacaagttaa aaaggtcgtg tattcagtat ttgtaactat caaagggtgc 420

catgctgttg tttgatgatg ttgttgcttg cttatgtatc ttcctcatgg ctttgcccgg 480

aatgaaagga aatatttgtt cgctcctact g 511

<210> 4560
<211> 59
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316100h01b1

<400> 4560

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<210> 4561
<211> 288
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316100h03b1

<400> 4561

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atcatgtaaa ataaaaacaa actaagctgg ccttatttgc gaggcacttt ctaggctctg 180

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tagaccggtg accttggatc tttggaaaaa aaaaaaaaaa agggggggc 288

<210> 4562
<211> 407
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316100h07b1

<400> 4562

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aatgagagag tgctgccttc aatcattcat gaaacactca aagctgtggt tgcccaatac 180

aatgccagtc agctaatcac acagagagag gctgtgagca gggagatcag gaagattctg 240

acagagaggg cgaagaactt caacatcgct ctggatgatg tgtccattac cagtctcagc 300

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cgtgccaagt tcattgttga gaaggctgag caagacaaga aaagtgc 407

<210> 4563
<211> 311
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316100h10b1

<400> 4563

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gtgattctgt gtgcatgtaa ttacgggtgt tgtggcatcg tgttgccgag gtgcgcagtg 180

atactctttc cagttttgtc gtgttcaata agtgaaatct ttcggattgc tggctagttt 240

cagtattccc aggatattga aggatgtgca gtcgtaagag gccaaggcct aaaatagaaa 300

ctggacgaag a 311

<210> 4564
<211> 200
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316101a01b1

<400> 4564

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aggggctatg gccacgttaa caccacatca cgagaccatc ttactgaaca gccccgcaag 180

ctgagcgggc gacgaccacc 200

<210> 4565
<211> 518
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
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<400> 4565

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gtcgatcgtg ctgcatctcg cgcggtgaga gggagctctg gagtctggac tggcggcggc 120

gatggggtcg tctgcggtgc agaaggaggc cgtcgtcctc aacggcggcg gaagcggagc 180

gggggaggac caccggctgc gggcgctggc ggcgaggacg gtgacagact cgctcagggc 240

ggccgtggcc aggtccagcg cggcggacaa ggcggccagg ctcgaggagt gcgcccggag 300

cctcgaggcc gagaaggcca agangggagg tcttccgccg cgagctcccc atcagcgtcc 360

acctcatcgc cgacgtgatc gagtggctga aagatgaagg tggcgcagca ccggagaccc 420

gcgccggatc agctgctcgc accggcgccg tcgccgtcac ctgcaccgcc ggaaaagagg 480

gaggcgtagg tcgtcaagac ggaagcagac gcgagcga 518

<210> 4566
<211> 280
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316101a03b1

<400> 4566

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ggctcaaggc tattccacat gcacgctcca aagctacaca tatatagatc caccttaaca 180

gagtggatgt ctgttcttgt cgcattttgt acctttatgt ttacattaga ataagaggag 240

ctcttggaaa aacatgtaac aatcgggtgt gactacggcc 280

<210> 4567
<211> 375
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316101a08b1

<400> 4567

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gaagtctgtc caggaggcca tcaaggagaa aagccaggcc ccttccccat tgtagaagct 180

tttttggttt gaaccttccc tattgtactt ggattgatcc aaaacaatga tcgcaatgcc 240

acaccttatt cacactgttt atgtgtaaat gacctttttg ttgggacaaa ggcaatcctt 300

gctgtatcac atttgtacat ctaaggagtg gtgacagcca tgtcttaaat aaaagaggca 360

tctgcctgca gttat 375

<210> 4568
<211> 66
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316101b09b1

<400> 4568

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ataaaa 66

<210> 4569
<211> 509
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316101c01b1

<400> 4569

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agagcaaaga atgcagttgg gctccaattt tcgtgaggca gtcaaacttc aaattgcctg 180

ctgatcctac agtgcctatt ataatggtgg gccctgggac tggccttgca cctttcaggg 240

gcttcttaca ggaaagatta gctttaaaag agaccggggt ggaactgggc cgtgccatcc 300

tgttcttcgg gtgcagaaac cgccagatgg acttcatata cgaggacgag ctgaacaact 360

ttgctgaatc gggagccctc tccgagttag tcgtcgcctt ttctcgtgag ggtcctacaa 420

aagagtacgt ccaacacaaa atggcagaga aggctgcaga gctgtggagc atcgtttccc 480

agggcggcta tgtgtacgtc tgcggcgac 509

<210> 4570
<211> 513
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316101c06b1

<400> 4570

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gccgcccccg cgctcctcct cgccgtcttc atgccggccc tcgccgccgc gcaggccccc 180

gcgccggcgc ccaccagcga cgcgtcctcg gtcgaccagg gcgttgccta ctttctgatg 240

atcctggcgc tggtgctcac ctacctcatc cacccgttgg acgcctcctc cccgtacaag 300

ctcttctgag cctgtacatg cgcagaggct tctcattctt ttgttcatct ttctgttgtc 360

cgtcgatcga taagctagtg gattcttgag agattggctg tgtgagattc gatttgaatt 420

cattaatttt gttgctcctg tactctggtg gattcgcacg cacgcgtgct tatttttgtt 480

ccatgctcct caggtctgtt gccactaatt atg 513

<210> 4571
<211> 91
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316101c09b1

<400> 4571

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tctgacgcgc cagatgattg attgctgctt g 91

<210> 4572
<211> 448
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316101c11b1

<400> 4572

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gacaataaat agagcctcgt ttgtttgggg ccaatcaaac caaacaacaa gttcatgtct 180

gatctcgacg tccaggttcc aactgctttt gatccgtttg ctgaggcaaa tgctgaggac 240

tccggcgctg gtgctggatc aaagaactat gtgcatgtgc gtgtccagca gcgcaacgga 300

agaaagagtc tgactactgt tcagggcttg aagaaagatt acagctacaa caagattctc 360

aaggatctca aaaaggaatt ctgctgtaat ggcactgtag tccaggatcc agaactaggc 420

caggtcatcc aactccaaag tgatcagc 448

<210> 4573
<211> 505

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316101d01b1

<400> 4573

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catgcgaaac cctcttcagc ttcaggtgca ggcctcaagc atgagtaggc tcggagctcc 120

cggtgcagtt cttcccctcc ttgcagaatc tcaaactgag ggccgtagca attcacctct 180

atcatctcca accgcttcac aagggcttct ggacgcagca ggcccagaag acagcttggt 240

ctttgagcaa gaagttataa agctgatgga aacaagcatc acaaatgcaa tgcagtacct 300

tcagaacaag ggcctctgcc tgatgcctat cgctcttgct tcagccatat ccaaccagaa 360

aggcacttct gcagctgcaa tccctccaga aaggtgaaaa cagaaagcac atcatgctcc 420

tcccatcggc ccgcggaaac aactgtcgaa atgtgctaga gttcatagaa gttgtgagaa 480

aacaaaaatc cgaggctgaa ggata 505

<210> 4574
<211> 211
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316101d08b1

<400> 4574

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tttgtaccaa ttttaatcag tttgccttta tagttcagcc ctgtaaatat agatgattct 180

agtaggtaca aatgttacac atccagggaa c 211

<210> 4575
<211> 237
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316101d09b1

<400> 4575

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gtaggcctcc agccagaacg gcgagatcct cgacgccaag atcatcaacg accgcgagac 120

ggggaggtcc cgtgggttcg gcttcgtcac gttcggcagc gaggagtcga tgcgccaggc 180

catcgaggag atgaacggca cggagctcga ctggcgcaac atcaccgtca acgtggc 237

<210> 4576
<211> 296
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316101d10b1

<400> 4576

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ttccatttgc tgtacttgta ccgtgagctt atctacttga ttcattgttg ccttcggaat 120

aaacattgct acaattagac cttaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 180

aaaaaaaaac aaaaaaacaa aaaaaaaagg ctgacataaa cgaaggtctg actgtccctt 240

cggcccgaaa gagctgaaac gaaggatctt gaagacacaa ccccttggct gggccc 296

<210> 4577
<211> 520
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316101e01b1

<400> 4577

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gtacgaaaag cagatgaaag cagcaaggaa gactgggagc aaggctgcac atgataaggt 120

taaagaccaa gcaatgtcaa aggcccataa agaagttgcc aaggggaagg ggaaaggaaa 180

gaatgtggca aatgatgatg ataacgtgaa gccagcggat ctgccacaaa agtggcatga 240

ctacaaagtc gagttccact tcccagaacc cactctgctc acaccaccac tccttcagct 300

cattgatgtg ggtttcggct accccaaccg tccggacttc aagttgccag atgttgatgc 360

tggcattgac atgggaacac gtgttgccat tgttgggccc aatggagcag gaaagtctac 420

tattctaaat ttacttgctg gtgatcttaa cccatccgaa ggagaggcat gaaggtacca 480

gatgctgagg attggacgat actcttagca ttttgttgac 520

<210> 4578
<211> 502
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316101e02b1

<400> 4578

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ccgctgtcgg ccaccgcgca ccagatgttc atgagcgcgt cgagcgccgg ccacggcggc 120

gaggacgatt ccgccgtcat caagactttc cccggcatca cgctgccgtc cgcccgctga 180

ttcgaacgac gtacctgcca tgaccgcttc cgcttcccgt cccctgctcg gctgcatcgg 240

cgacgatttc accggcgcga ccgatctcgc gaacatgctc gtcaagagcg gcatgcgcac 300

cgtgcagacg atcggcgtgc ccgccggcga cgccgcagtc gataccctga tcgacgccga 360

cgcgatcgtt gccgcgctga agtcgtgcac gatccccgag gacgacgccg tcgagcaatc 420

gtttgccgca tacgaatggg ctgcacgcgc aagggttgcc ggaggtcttc ttcaaggact 480

gctcgacatt ggactccacc ga 502

<210> 4579
<211> 302
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316101e03b1

<400> 4579

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cctgcaagaa gtactgatcg gctcatgcca gcatgatatg ttccgcctaa aatgaaataa 120

aagctcagac gagatgagca gcgtcatcgt gcctatgcgt gtgtgtgtgg ccaacaaata 180

tgtataccag tatgccgtgt cttcgtcgct gtgttttctc tctcgagaaa aagttggtgt 240

tgcttgttgt tcagatatcc ggaatatcct ccgtgaataa gtaatgattg tgcgttggcg 300

gc 302

<210> 4580
<211> 451

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316101e07b1

<400> 4580

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gcctaagggt caatctggtg gcgttggcga gcgatctggc ggcagagatg gtggccgctc 180

tggcggcggc aggttcggac ggtctggtgg ccgcgatggc ggcggcaggt ccggccggcc 240

tggtggccgt gatggtggcg gcaggttcgg ccggcctggc ggccgtgatg gcggcagagg 300

aggcggccga ggctttcaaa agagacagag tgctggcaca tgcagagccc ggaagaagac 360

cacgcttggt gacaattaga aaccgtttga gccacaaaat gagcctgatg caactgccgt 420

gtgtctagac gactgattcc ccgtgtttcc c 451

<210> 4581
<211> 509
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316101e09b1

<400> 4581

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aagaatggag cgatcagggg ccctatgctg accagagatg attccttcat acgcaagggc 180

agccatatgg agcagaggca taaactgggg ctgtcagatc gtcctcgtcg atccaatgca 240

cgccaattcc tatccgaacc cacatcagag cttgagaaag tcgaggtgga gaaggcaaag 300

caggatgatg gcctatctga tcttagcgac atactgaccg agttgaaagg aatggccatt 360

gacatgggaa ctgagattga ggggcaaaca aaggatctgg gtcacgcaga gaaggacttt 420

gacgaactta actacagggt caaggggggcg aacactcgaa cccgtcgtct gcttgggaga 480

tagaggaaag catatgttgt cactggaga 509

<210> 4582
<211> 415

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316101f01b1

<400> 4582

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tgatggcgct ctacaagggg ttcatcccca cggtgtcgcg ccaggggccc ttcaccgtgg 180

tgctcttcgt caccctggag caggtgcgca aggtcttcaa ggacgtcgag ttctaatgca 240

gtgcagacca ccgcacggcg cggcgccatg gatccatgat gatgacgaca agaagctgcc 300

cattgatgcc gctgctgcta agaatactat gaggaccgct ggagggattt ctccagttcc 360

tgcctctcat ttattcggat gaatttgatc gattttggat gaaattctca atttt 415

<210> 4583
<211> 480
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316101f02b1

<400> 4583

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tcggcaagaa gtacggctca ggcggtgcct agaggggacg aaatgatgac gaacaagaga 180

agtttgttcc cagtcctacc cttcgaggat ctggtgaact tttatctttt taacgttgga 240

aggcaataat tattgtagag ggtggatttt cccaacattc gtttttggtg gaggcatcga 300

actccagagg ttgtcgtagg ttggcggcag cgttctcaaa acatttacta tcatagggtt 360

gagtttgagt tcgagtatgt gccctgaatc gttaccgggc aattttcctt aaatacattg 420

tcctccaatc cgactgatat tatggtcaag tttatgctat tggtgtcaac atcctattcc 480

<210> 4584
<211> 465
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316101f07b1

<400> 4584

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ccgtggcgct ggccggggtg gcgctgcgag ggggcgccgc ggagggggcc ggcgagtgcg 180

ggaggtcctc ccccgaccgg atggccctgc gcatggcccc gtgcatctcg gcggcggacg 240

agccggactc ggcgccctcc agcagctgct gctcggcggt gcacacccta gggaagagcc 300

ccagctgcct gtgcgccgtc atgctgtccg gcaccgccaa gatggccggg atcaagcccg 360

aagtggccat caccatcccc aagcgctgca acatggccga ccgccccgtc ggctacaagt 420

gcggagatta cacgctgcct tgatggccca gctctggtgc tgatg 465

<210> 4585
<211> 470
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316101f08b1

<400> 4585

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cataatacct ttggttgatt gatttacctg cctcggttga tttgcctgca cagcatgaat 180

ttgttctgaa cacaacttgc aagtgctctt tgaattgcat ttaccaggag tgagcttcca 240

gcaaaggata tccctgcaat catcaagtac tacaggagta gcaataatag ccgaagcggt 300

aggttcctga aaaaggttag tggcagaatt ataagtatgt atccagttta ctggcaatta 360

cctacagaaa acctttcatc tcaaaactac tagatgtact actatgataa gcaaagtgca 420

gcagcgagca ggattcacaa taaaaaaaaa agaaacataa taatgaattt 470

<210> 4586
<211> 507
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316101f12b1

<400> 4586

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tttattcatg atgatgcagg tcaatgtatt aaatgaattg gtagctccag acacttgcgc 180

acaaagcgta gaaattttgt atgaggttag gggtggagta gacatggaat ttcaagttcc 240

agttcctttc aatgttgtac cagttcaaca gatagttcct cagagtggtg gagaaggcca 300

agctgagtta gttcttgatt cttgtattgg tagctccact gtgcatgacc cgtctaagat 360

gtctgctgag ctttgcattg gtgaatcttg cacttctatg ttacagttga tgaagaggta 420

tctccgattg gcaacaacta atgcatcatg gactgcgaac aatttttttg cagtctaccc 480

gtattattat ggggcttact ttacttc 507

<210> 4587
<211> 452
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316101g09b1

<400> 4587

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agaagaagcg gatggagcgc tcggtctcct tctccacgtg agcttccttc cagcccgccg 240

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cgtgcgtttg gggttccagg gtgatccggg aggccatggt gatgaagcag gtgcagagtg 360

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tggtgcgcat cccgcggtac atcgagaggt cc 452

<210> 4588
<211> 284
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316101h01b1

<400> 4588

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ttcctcccac ccgtttgttt cgggttcatt ttctgcgtgc gtgatgtgtc gcctgggatt 180

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ctatttctgt cgtgagaaca gtttgaattt gtgatgggca tcaa 284

<210> 4589
<211> 485
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316101h04b1

<400> 4589

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cggagtacag aagattcagg aacagcttcc ttctgatgag gtcaccacac cacctgaaac 120

atcccagtta gagggtggta gaaccgatgt acagaacccg gatgacagca gcagcagcat 180

gcggaccgat cgagtgatcc gaccaagtga tttggtcgct ttccgtcggc ttcaaagtcc 240

acaaccatat atgtatatat gttcaagaca gcgaaaggag tctggttgct acgatgctga 300

gcctctcact ctttggtcgg ccaggaatgg gctatttcat atgggaaaaa cataaattgc 360

tgcaattagt catttttata gaagaaaata tactcttgta gcctgtactt tgtacatatg 420

taaggagaac gcgatccgtg tctaggggat taattgcatc agtaataagg gctctgagtg 480

tgact 485

<210> 4590
<211> 75
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316101h09b1

<400> 4590

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ctgggcagcc acgcc 75

<210> 4591
<211> 497
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316101h12b1

<400> 4591

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ggcgactatc cccctcagaa gtggccgata aagtgaagca cttcttcaag tactatgcca 120

taaaccggca caagatgacg gtcttgacac catcctatca cgctgagagc tattcaccag 180

aggataacag gttcgatctc cggcagttcc tatacaactc gacatggccg taccagtttc 240

gcaagattga tcaacttgta caagatatcg acaaagatgg caaatgggtg gaagatcgtc 300

gcgcagactc gcagctgaga caacgcggag ccgctaggcc tgcccaggga ggtggaatgg 360

gagtcgcggc cgcgggatct gccaatcccg gtgctgggct gtaagaaata gggcatgccg 420

acggctggat gaagtaggtc acgcatggac tttagtggcg catgctggat acattgggaa 480

accagcctag tacatag 497

<210> 4592
<211> 469
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316102a02b1

<400> 4592

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gtacgccttt gccggtttag gagaagagcc ttctccagac accgttgttt gccctggagg 240

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gctcatcaca gccgaccttg acatgggaga gatcgttagg gccaagtttg attttgacgt 360

ggtgggccac tactctcggc ctgaggtgct gagcttggta gtggatgacc agccgcaccg 420

cccggtgtca ttcacctctg ctgcggagaa ggctccggct gccaagagc 469

<210> 4593
<211> 103
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316102a04b1

<400> 4593

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ttaccagtgc cgctgatggc tgaccctgac caggacgagt tcg 103

<210> 4594
<211> 388
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316102a05b1

<400> 4594

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tccaaaaagg agaccaccct gagggaccct gaaaaattga caagggaatg agtgaacagg 120

acaaatgaag actacaaaga ggaagatgca tcctgagtac ctaagggcag atctcgacca 180

gacaatacaa aactacacat aaggctttga catgaatcag atgaggaaaa gagaaacccc 240

agaagagaaa accaccaatg cgttcctggg atataggcct gaagatacta attctgcact 300

agacctgact tacaattatg gcgttgacaa gtatgacatt ggagcgggct tcggacattt 360

tgccatcgca aatgatgatg tggacaaa 388

<210> 4595
<211> 324
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316102a06b1

<400> 4595

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gggctgacca tgcaacgatc ccattggatg gagtgtacac tgaaagaagc atcccaccaa 120

ctggttacaa tgttgtcaaa gacaaaaagt accgtggaga aatcaaaatt ggtctgacgt 180

tcactccgga ggaggctcgt gatcaggatc aacccgagga aaactatgga aggtggaacc 240

aatcatcttg agaagaaaca ggtgctttgc tgaactatgg ctgcgtgaca agtctgngtg 300

ctagaactaa agcctatttt aatt 324

<210> 4596
<211> 464
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316102a08b1

<400> 4596

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gcaccaacga gaagttcaag aggaccctgg acggcatcca gatcgagatg caggccactg 180

accccagcga aatcagcctg gacgtgatca aggagcgcgc gcactaaggc aaatcatccc 240

aatgcctcgc aatatggatt tatgtcaaat atagatttgg cggtgtgact cttgaaactt 300

tcttgatgat tcgtggcttt gttaccgtgt cgaaaggccc tcctcccgtg gtccgtgtga 360

ccacggaggg cttgctctat catgtaatct gttctttttc ttctgcccat ttatatgccg 420

ggccttatgc tgctgcactg cactggtcct ccaagatacg gtta 464

<210> 4597
<211> 243
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316102a11b1

<400> 4597

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gcacaactgg atctacgagg cctaagatgc gtcatgagtg gctgagtgca ggcttcgcaa 120

agcatctacc aaactagtct ttggttgttt acagttttga gatttgtatc tcgggaacct 180

tgtttgagag aactaaagtt atctccttgt gcttgagcat gcaagcggca tctgctgctc 240

tat 243

<210> 4598

<211> 378
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316102b05b1

<400> 4598

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ccgtggcctt ccgtgcagga gcatggtttg attcgaccga aaggccccgg tgtgtcagga 120

ggatcggagg cgggagtcaa ttagacgacc gcaagtgcta ctcgctcaca ttcatgtggc 180

ttcccttgtt ctgaaagttg aaacaaaggc tttgtttgct ggtgattttg aatgtgtgaa 240

gtgtgcatgt gcgtgctgtg ttttcaagtg ttcaagacga ttttttgttc atgccatgac 300

atgacacatt gagtttgata attgtcattg taacattgtt atttgatgaa gcaataattg 360

ggttaaaatt ttacatgt 378

<210> 4599
<211> 374
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316102b11b1

<400> 4599

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acttcctgcc ccttctaggg tttcgccccc caccaacccc tgccccccgg gttactgctc 120

gtgctctcag ccatggcgac cacggccttc cccacctcga ccccccttctt cgtccaccac 180

ggcacccggc gcccctccgt caacctccga acgaccgctg gtggtgtacg gcccgtggtg 240

ggcggccggc tggcggccac tgtcgcgtcg cctgcgagaa ggtggtgggg nggatccgac 300

ccctcgggac caccaactca agccggtcgc tgtcgactgg gcagggcggc aaggcccacc 360

attcgtcacc aacg 374

<210> 4600
<211> 226
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316102c03b1

<400> 4600

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agtgagggga ccacactcct actacagcct gcggtgcgaa agaggagctg gcgctccatg 180

cggctacact ggaagaggac gttggtgact caaggcctaa gcttgg 226

<210> 4601
<211> 262
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316102c09b1

<400> 4601

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cacaagctca cggacaagag cgacgtgtac agcctgggcg tggtgttcct ggagctgctg 180

acggggatgc agcctatttc tcatggaaag aacttggtga ggagggtggt tggtcggcga 240

accagttggg ggatgattcc tg 262

<210> 4602
<211> 433
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316102c10b1

<400> 4602

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atagataaac aaaaaaaaaa aagagaaaaa gtacaatcat atggcattct cctgggccgt 120

tcatgtaatt tgttaataaa aaaaaaaaaa caaggggggg ggccgttttg ggggtcccag 180

gtttccgtcc gggggctggc gaggtcttgg ttttttttttg ggggccccta atttcatttc 240

ctgggccgcg tttttccacc gttgggccgg ggaaaccctg ggggttcccc acttttttgg 300

cttgggggcc cttccccttt tggccggttg ggttatttgc gaaggggccc gcccggttgg 360

cctttcccac cagttgccca ccctgatggg gaatggggcc ccccccttgtt ggggcccttt 420

agggggggggg ggg 433

<210> 4603
<211> 391
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316102d01b1

<400> 4603

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agaggggaat ccgtcgctgt cgtcatcatc aaccttcctc catcaccaat ttcatgatgc 120

tcatcgtcgt ggatgagtaa ttccatcgta gtcttgctgg acggtgatgg gttggatgag 180

atttaccatg taatcgagtt aattttgtta gggattgatc tctattatcc attatgttct 240

gagattgatt ttgctatgac tttgctatgc ttaatgcttg tcactagggc ccgagtgcca 300

tgatttcaga tctgaactta ttatgttttc atgaatatat gtgagttctt gatccaaatt 360

acataacacc ccttttttt ttaaaaattt a 391

<210> 4604
<211> 463
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316102d02b1

<400> 4604

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gcggcggctg ctgctgtcgg cccgcgacgg cgtggcccgc gtggagcggc tcgcctcggt 180

gcccgcctcc tcctcctact ccgcctcggc gccgctcgtc ggcgcgccgg acccggcggg 240

cgccgaggcc gtgcgcaggg aggtggcgca tatccagggc ctctgcgcgc agatggaccg 300

tctctggcgc tccatccccg ccaagggcca gcgcgacctc tggaagagaa aagtggagca 360

gctatctgaa gaggtcgagt cattgaagga aaccctcgac aagcacttat tgcggcaacc 420

aaagcgggtt ttggagccaa ggaaagggcg gggctatttg aga 463

<210> 4605
<211> 468
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316102d08b1

<400> 4605

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cgtcgtcgcc gtctcgacga ggaacccggt gaagtcccta caggaagctg gggccgcatt 180

gatcgtcagt gactatgaag accagaagct gtggaacgcg ctcgaggaga ttgataggga 240

ggaagcgaag ctaaagactg gtggggcctg aaaaagatga tggtgatgaa cagttgatta 300

gaccattgca aatttaccca ttcttattat ttataaggga atctacgccc tgaagttatt 360

atggtaggac agagctcatc taggtatttt gagctattag tttgatatat gcttcttttg 420

gttctctagt agagaatcaa ataaaaaact tttgtgtccc acacatga 468

<210> 4606
<211> 470
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316102d09b1

<400> 4606

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gtccgttgta gcacaagcag aagcaccttg cgccgccgcc tccgtcgtct cagcagaagc 120

agcgatcccc atcgccaaca accaaagaaa gcatggatac gcaggtgaag ctcgcagtgg 180

tggtcaaggt gatgggccgc accgggtcca ggggtcaggt gacccaggtg agagtcaagt 240

tcctggacga ccagaaccgg ctcatcatga ggaacgccaa ggggcctgtc cgggagggcg 300

acatcctcac cctgctcgag tttgagcggg aggccaggag gctgccctaa gcacttttt 360

tcttcacctg tctgtcttcg gaagtactcc tgaaattgtg tgctgttgcc tttttactct 420

actgctttcg gcttttgcct tggctatgga gatgtaatga gtttccttct 470

<210> 4607
<211> 417

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316102d10b1

<400> 4607

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acaaagaacg atacttggcg aaagcctcta tccacttgtt gagaagcttg aacaccaaca 120

agctgccaag gtgacgggca tgcttctgga gatggaccag acggaggtgc tgcatctgct 180

cgagtctcca gaggctctca agtccaaggt tgccgaggcg atggatgttc tccgcaacgt 240

ggcccagcag caaaacccga atgcccctac cagccagctc gcgggtctaa ccttgagcga 300

cggcattatc tcttagttta gagtcagttt gcggtctcat gatgctatag attgttttgt 360

cctccatggg tgaactttgg tgagttgcgt ttttgcactg ggtgttaggc tctatct 417

<210> 4608
<211> 357
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316102e03b1

<400> 4608

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ctatgagacc ggggccgctc aacgggtgct atcatggatg gtcagggcgc tggcctcttt 120

gatgctgagc gcctgaccaa cgacaactgc ttggcgcctg tcaatggctg agtgaggcac 180

ccggtcccct atgggaggct gaagctgcga aagaagacct ggcactacca gagcaccaag 240

ggaagcagga gggcgctgac acggagggct aagctacaga ctggccaagg gaaaacaaca 300

gtcgccagtg aacaaaaccg tcgcggttcg cacctgaatt tgatgggatc aaatgct 357

<210> 4609
<211> 371
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316102e06b1

<400> 4609

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cgtgggcgcg ggagcacggt acggcgtcga ggtgacaagc ggagacgatc aagaccaagg 120

cggctatgga tgggttcctt gcgaggaacc gcaagaagtg atccatcttc cgacttctcc 180

ttttttattt agcacagcag ttcctttata ctgtattttt ttgtccgaga atttatgtaa 240

ttataaattc ggattaagac ttacactaac aaatacgacc tttatttttct ctaaaaaaaa 300

aaaaaaaaac aaaatataaa aaaattaaaa ataacataaa taaacaaaat aattttatat 360

atataaaatt t 371

<210> 4610
<211> 460
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316102e08b1

<400> 4610

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tctccatcct gagcgcctcg ccggccgaca tcgcccccgg cgccggcaaa ggcggcagct 180

gggcccggct ctcctggcgg gggaggaagc tgcaggaggg cgaccgggca ggagcagagc 240

accaagggaa gcagggaggc ctgccgcggg aggcagagca acagccgggc aaagggaaat 300

cgcagtcgcc gtcaacgttg ccgccgcggt ttgcgccgga gtttgatggg atcgactgct 360

tcgagaccat cgtgtgccat tgatcgctga tgaatcgcga tctgctcgtg gtccagccgg 420

gcgtgtggct acgtactgat tctttctccc gttgtcggcc 460

<210> 4611
<211> 455
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316102e09b1

<400> 4611

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atccaatgga tgtgttggtc ctgatgcagg agcctgttat tcctggttct tttctccgag 120

ctagagcaat tggccttatg cccatgattg atcagggtga aaaggatgac aagatcatag 180

cagtctgcgc cgatgatcct gaataccgtc actacaatga catcagtgag ctgtctcctc 240

accgactgca agagatcaag cgcttctttg aggactacaa gaagaatgag aacaaggagg 300

tcgctgtcga tgcgttctta cctgcgacca ctgtccgcga ggccattcag tattcaatgg 360

acctgtatgc acagtatatt ttgcagagct taaggcagta gcatgtcggt ggttttatcg 420

tggaaatctt ctattaataa taagtgggga agagc 455

<210> 4612
<211> 456
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316102e11b1

<400> 4612

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tgagggtgta ttaaattcta gattacagca tttaactcat acacttgata aggtaaggta 120

tgttatgaga tgtatattcg gggaccccaa gaatgccccc cctcctctgg tgaggcttac 180

cgggagaagt ctagtgtctg ccatctggaa aggggaaggc tcattagttg atgagctcct 240

tcagtcaatt gaacatcatg ttgacgaaga tgtacttact gatctcaagg acaaaattcg 300

gcttcatgat ccatctgatt ctgaagacat cgagggagac atccgaaatt ctctgttatg 360

gttgcgtgat gagttgagaa ctctttcatg cacatacaag tgccgtcatg acgcagctgc 420

tgatttgatt caaatgtatg cttacacaaa gggttt 456

<210> 4613
<211> 409
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316102f02b1

<400> 4613

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ggcggcgatc cgacttgcgg ccagtcggct catcggcggc cagcgacccc aggcggtttt 120

caagtccgtc gtcttgccgc tggtcgaggt ggggcgtcgc cggctgattc caagtctaat 180

caacgggggc cgacctgcct ctttttctct cagatctatg gcctccggcg gcgcaggttg 240

caaagagttc ttttccggcg ccgccgtcga tgcccaccca cccaacggca accgtgccct 300

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ggagtactgc gagattgata ccaagaagca cgagcttttt tacctgatc 409

<210> 4614
<211> 351
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316102f03b1

<400> 4614

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taccagatgg aaaatgactg ggcctgtctg actatcaagc aatgatgtac aggtctatac 120

cctaaagtcc ttttatgatt tatgtatgca gcgaatcttc acgtgatgag ctactatatt 180

ggatgtgggg agacgatttt ggaacctgaa gtgataatag gctcatagac cagacaagag 240

ggtcagcgtt gagtaattat accatgagac tggattatgc gaggatacct agggtgagac 300

atcttctggg gccagaccgc gaggctgtgg gacttggatg atgcatgttt c 351

<210> 4615
<211> 413
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316102f04b1

<400> 4615

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ccatgtatga tctcatgacg gtctatgcgt gctacctcgc catcatcgct gggcttggct 120

gcaccctcat cttgctgtcg atatgcaggc acgcattgcc cgcactcccg atctccatca 180

tgctgggagt cgtgtcctac ttctcgacgc ggttgttgat ggagccactc gttgtcggtg 240

cttcgaccaa tttggtgatg ttctgaggtc tgactaatgt cctgtcgttg atgttacatg 300

tgtgtcaagc tgaaaagcaa ctgtgaacat catgtgggag tgactactac tttgatggcc 360

tcgccttgga agtagacagt catggaggta tgactaggaa aaggggattg gga 413

<210> 4616
<211> 452
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316102f07b1

<400> 4616

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aatcaggcag cctgtataca ctgaaatttg aaatgcttgt gtttggtgtt ttttcaaaaa 120

agtgacgtaa ttgtttgctt acaaccatgc gtatcatcat cactgtcaat caataccaac 180

aaaatgtgag cgacgggcgt aggtcaagcg ttcgtttcca tgtatgccgc cttattctta 240

ttcggtttga caaagaagac ggagcagaaa aagcttcttc gccaggcgtg gaaatggtcc 300

tcacgcctcg gcctccatct tctcgcactc ttctctgatg gactggaaca gcaccgacga 360

caggtacctt tcgccgaagc tcgggaacac caccactatc agctttcccg cgttctcggg 420

tctctgggcg acctttatgg cagcggccgc tc 452

<210> 4617
<211> 507
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316102f08b1

<400> 4617

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atctggatct actgggccgg cccgctcatc ggcggtggcc tcgccggcgt cgtctaccgg 180

tacctgtaca tgtgcgacga ccacaccgcc gtcgccggca acgactacta agccagccat 240

gggaagatca ttcggtcttt ggtttccata atgtcttcgg caacataaga agtgcgtacg 300

tggtggtcac tctcaggatt gtctggatga tgtgaggaac gtcatgttgt ttggttccga 360

tcgaaagccc gcgaggctgt ggcacttgga tgatgcatgt ttctgtatct gtactgtgat 420

ggatgttggg aagctggtgg ggtttcaaga ttcttcagtt gagtttcctt atgcgattca 480

ataagagcat cattgtttag tgcattc 507

<210> 4618
<211> 428
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316102g02b1

<400> 4618

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gctaggctcg gaggtgagcg aaaatgccgg tcagcaggat cgccgtgggg agccaccgtg 120

aggtgtacga ggtgggcgcc ctcaaggcgg cgctcgccga gttcatctcc acgctcatct 180

tcgtcttcgc cggccagggc tccggcatgg ccttcagcaa gctgagcccc gacggcgcgg 240

cgacccccgc cggcctcatc tcggcggcga tagcccacgc cttcgcgctg ttcgtggcgg 300

tgtccgtggg cgccaacatc tccggcgggc acgtgaaccc ggccgtgacc ttcggcgcct 360

tcgtgggcgg taacatcacc ctcttccgcg gactgcttta ctggatcgcg cagctgctgg 420

gctccacc 428

<210> 4619
<211> 330
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316102g06b1

<400> 4619

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agtgactata aaagaaacaa caaaaacata gtaaaatgta taaaattacg cagctttccc 120

cccaccactg gtgggggggtt ttggagctga ccccttaaga aaacaattct tcgattgttt 180

gctagatacg ttatgagacg gacctgttta aggggccggt ccatttctga agctaacaaa 240

ctttaagtcg ttgatttgcc tgcgattgga agacgtcgac actggatctg ctctggttaa 300

tttcagtgca tttgcggctg tttgtattgc 330

<210> 4620
<211> 383
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316102h01b1

<400> 4620

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ccttcatcta caaggccatc aaggagcacc gccggagcag cagccgggcc gcctaccggg 120

gcgcggaggc ggaggacgac gtggacctcg gcgacacgga ccagaggcgg cgctggctgg 180

agcaggagct gcggtcaccg ctcaacgccg ccgccgcccc ggcgtcgaca caggcgcacg 240

ggcggaaccg gtcgctggag gagctggccg gccaggtggg gctctcgccg ggccggcggc 300

tgccgctgcc caaggccagg agcgttcgcg ccttcgcctg catcggcgcc ggcgccgcgt 360

gaccgccgaa cacgtacgtg ctt 383

<210> 4621
<211> 446
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316102h04b1

<400> 4621

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ggttggtgca actcggtgta gccatgggta aaacgatcgt atacatggga gcatggacaa 120

ttgcacagaa gacacatgcc gcattggatc tgctcttcaa tgtgtggatc atggtgctgc 180

tctatacgtt tgcattggcg atcatgggac ggtgggcaaa gaggccagtc atactgctgg 240

tcttgttgcc ggttgccttt acaatagttt gcctagtata taatggtgct catattttac 300

ttgttagtta tcttacattt tagccaagtg atatagtaga aaccactgta tagtttagat 360

tttgtagaaa gctgggagcc aaatatgctc cgtgtattca atgaaccatt gtaatacttg 420

tcctttgaac cttaatatag aatggt 446

<210> 4622
<211> 466
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316102h06b1

<400> 4622

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ggcgaccatg gccgtggacc tcatgggctg ctacacccct cgccgtgccg acgaccagct 120

cgccatccag gaggccgcca ccgccggcct ccgcagcctg gagctcctgg tctcctccct 180

ctccggcgcg gcgccgtcca aggcgcccca gcagcacccg cagcagccgt tcggcgagat 240

cgccgaccag gccgtctcca agttccgcaa ggtgatctcc atcctcgacc gcaccggtca 300

cgcccgcttc cgccgcggcc ccgtccagtc ggcgccgtcg ccgccgactt ctccagcacc 360

ggtcgctcca cctnctcccc caccttgac cgttgtgggc cggtggtggt ggccgacccg 420

ctcccgcagc cgcagagcct gacgctggac ttcaccaagc cgaacc 466

<210> 4623
<211> 303
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316103a01b1

<400> 4623

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ttcgtgttgg ggcgtgaggt gtgggcgcgt gcgtgtgtgt atgtatgggt cgcggtggtg 180

tgggaggtgt gtccagtacg tgcgccggcg tgccattctt tgtgttggag atcatgtact 240

tactctcttg ttcttgcaat gaatgagacc atttatttga ttctttctcc ccagcttaga 300

aaa 303

<210> 4624
<211> 343
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316103a02b1

<400> 4624

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agcccccccat tctctaaagc tctcagtcag gggtgttcct cggtttcgga tgaaatcggg 120

gcgggttgac aatacttcac acgccttggg cgcgttgttg cagtctgtta gatttgaaga 180

actgccgtgt ttcattcctg aggaattttg tctttgctcg gtgtagtgcc tgtccgttga 240

gccacacttc tcagtaataa ttcaagctct gaaaattccg aacttgattc aaaaaaaaaa 300

aaaaaaaaaa aataaaaaaa aaaaaaaaaa aaaaaaatat aag 343

<210> 4625
<211> 191
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316103a05b1

<400> 4625

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cgaccagtga atctgacaag tcaccgtgct cagcggatcc gacggccgct acgttcttcg 120

acctccacac cgccgactgg ctcatgggcc taggagcgca cctcgacaga tggacctaca 180

tctccggtga t 191

<210> 4626
<211> 171
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316103a06b1

<400> 4626

tttattgaca gtaattagta aagtactttg tactgagagt agcaaaatct atcgccccag 60

tgtttgaatg atattttgca agattcttat cgctgtcaac tcttttgatt ttgtgagctt 120

gaagaccatg tttcgttgca accaatnaaa aaaaaaaaaa ataacaggaa t 171

<210> 4627
<211> 327
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316103b01b1

<400> 4627

cctacgcgtc cggttagttc acccaccggt taactgggtc cttgggagtt gggatcatta 60

tcatgcactc gtcagttgct tgacatgtat ggtgtcgttc ttgaattttc agctacatat 120

aatggtcggt tgtgtgagtg aatgggagtg tgttcatgtg tcggtctgtg tgtcgactgt 180

cactgtgagt caattagcta aaagaagtgt gatgtgtggg ttcagcgagg gagtaacagt 240

cactgaataa gaatgtaagt gtcctatcat atatgtatgt ctaaaatagt aacatgtaac 300

atgtgttgct ctttctttca aaanaaa 327

<210> 4628
<211> 487
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316103b03b1

<400> 4628

ttatagtatc atcattgaag gtcattgtgt tggtgatcat gtcaatgctt cttaccaatt 60

catgccaatg tgtcagttca aggagcatca aagggaatgc aatgcaagtg aagaccatgc 120

acaaactgac ttctagttct gttgatggaa ggagtagccc tgctggtgag gaaattcatc 180

atgcgtgtcc actagggaac taccctgcc aagggatgtt ccacagttcc atggagagca 240

cagaagaaga aggtggagga aactaactcc cgttattatc attgaaatag ctgaagataa 300

gtcatagtgc gagatcatgc atgtgcttgc tatgtaactt ttatcttgtt ttgaagactt 360

aatgttcaag tacgtgtata ttgtacttct aaaattatta tatttataaa taagagtctt 420

aaaaactcta ttgtaaggct acttttcttg tggtgaagtg atgttaaaaa cttttggatg 480

ctaggac 487

<210> 4629
<211> 146
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316103b04b1

<400> 4629

acgctctgtg atagtacaac ctggttggta aacctttgtt atgcatgcag ctactgctac 60

cgttcaattc gaatatatat actcgatgaa ctgtatcggt tatcaaatgg gtgcatctgg 120

agaatatagt gactgaatat caggtg 146

<210> 4630
<211> 66
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316103b05b1

<400> 4630

gctggttccc cgggggcgcc ggcccggact gccccggacg acccacgcgg acggttctag 60

accgtt 66

<210> 4631
<211> 390
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316103b06b1

<400> 4631

aggcaccgga ccggcagtcc cggaatgacc gacgcgaccg atgtgctcgt cagttacggc 60

gacggcgcga gcccagatct atctgttcgt ccgccacgca agactagtgc tctccgcctc 120

gtgaaggcgg cgaaccgaca cgaagtactg ctaaaagtgc tggcagtcgc agacggagag 180

gaactgctcc gacatcttcc gctgcttcgg cgctcgcatg cagcgcctgg accaccggtg 240

catcggcctc gacccctgag cggccctccc tgcgtcagcg acccggcgaa tccgacgctc 300

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agagaattca tcagaaaaga aaagaggaac 390

<210> 4632
<211> 73
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316103b10b1

<400> 4632

gacgatttgt gacagttcaa cctgcgtgga caagtttggc tatgcgtgca gctacgcgac 60

cgtgaggtga att 73

<210> 4633

<211> 414
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316103b11b1

<400> 4633

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acctcatgcc tntcaagtag ccccacgaga gccgactcca gaggttcctc gaggaggaga 120

accacgtgga ggacaacagg aacgactcca ggtacctgcc cttcggcgtc agccgccgga 180

gctgccccgg catcatcctc gtgctcctca tcatcggcat caccatccac cgcttcgtac 240

agaacttggt gctctggccg gcgaccggtc aggacaagct tgacacgact gagaagggcg 300

gacagatcag cctgcacatc atcatgcact ccaccatcat ggccaagccc agcgtgttct 360

agagcagcgc cctgcctgac gaacgtgctc ttgaattatg acttccagca tttt 414

<210> 4634
<211> 546
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316103b12b1

<400> 4634

aagctgtacg cgctgcaggc cccggaccgg cagtcccgga atgaccgacg cgaccgattt 60

gctcgttatt gatggcgacc gagcgaggcc agagcgatct gttcctcctc gacgcgacgc 120

tagtgctctc cgcctcctga gcgggcgacg ccgacttgaa gtactgcaaa aaggggtgcc 180

actatcacat gaaggtgagc ggcgtggaga tcgtcccctg accccgtcgt gcgcggcgag 240

cccgccacct tcaagatctc cgcctccacc gataaaacca tcaccaaagg gaagctggtg 300

gtagatgtgc ggcacttctt tgtccacgtc gattcagaga ctcacgactt gtgtgctggg 360

actccctgtc ccgcaacggg cgaattcgta ctagccagcg aacagacttt gccatcttac 420

accccaccag gttcttacag tctccagatg aagctgctgg gagacaagaa cgaggagctg 480

acctgcatct tgttcgggtt cagcatcggg ttcgtcgcac ctgtcgccat tatgtgaacc 540

aaatat 546

<210> 4635
<211> 522
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316103c01b1

<400> 4635

cctacgcgtt cgccgtttat tcccctccgg cgcagccgcc cccgtgtcct gtgcgcacct 60

tctcgaagcc tcctccctcc ctcatggcgg accagctgac cgacgagcag atcgccgagt 120

tcaaggaggc cttcagcctc ttcgacaagg atggcgacgg ttgcatcacc accaaggagc 180

tcggaaccgt gatgcggtcc ctcgggcaga accccacgga ggcggagctg caggacatga 240

tcaacgaggt tgacgcggac ggcaacggca ccatcgactt cccggagttc ctgaacctga 300

tggcgaggaa gatgaaggac actgactcgg aggaggagct caaggaggcg ttccgcgtgt 360

ttgacaagga ccagaacggc ttcatctcgg cggcggagct gcgccacgtg atgaccaacc 420

tcggngagaa gctgacggac gaggaggtgg acgagatgat ccgggaggcg gacgtggacg 480

gcgacggcca gatcaactac gaggagttcg tcaggtcatg at 522

<210> 4636
<211> 564
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316103c03b1

<400> 4636

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gtgaaacaag tttcaaacaa gtacagaagc tctgcatgcc tttcatcagg ttcaagaaag 120

atgaagcaag gaatgttggt ccccaggctc taaatttgaa gcttcctttt ggtgaaataa 180

atgtgcttga ggagaacctg gagctgatca gaaggcagtt gggtcttgag catgttgagg 240

tcctgtcggc atttgatgga gctgctcgtg ccaaagctgg aaagcatgct tctctgctgg 300

acaagaatcc gccttcccct ggtgagccgg ttgcaatatt catgagcaag caggagtttg 360

aagcgcagaa ttaagcccag attaatcttc tcacagaact ttgttgaggt gttttgcaag 420

gcgtggtatc gactggttgg tgctcctgtt gattctagca tgaggcgcct attgggaaaa 480

tgaaaggagc cttttcttca gcttgactgc agatgattga gaaggaattg gtttccaagt 540

tttgccagtt tgttcttttt agat 564

<210> 4637
<211> 481
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316030e12b1

<400> 4637

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gtggatcgct ggaggagagg gccaccggcc ggatcccgac gggccagatg gtgggcgacc 120

cccgcggcgg gggcgagtag cacggctgcg atcggcggcg gacggatcgg cggcgccgca 180

aggcggcggg ggccaccatg tctgccgtag tgtgcggcaa gaggtcctcc atcttcgccg 240

acgagctcat cccttcctct acgccttccc ctccccacca ccacccttcc aagcgggccc 300

gctgctcccc gacccgcgcc ttcgacgacg ccgtcgcggc ccaccggcgg gaggcgctgc 360

tccaccacct tcgttccctc ttccctcaat ggatccccag ttgcttgaaa gagctcttga 420

gcatctggag atgatttgga ttttgcataa ggagtttgat gacctgcgct ggagtcagct 480

g 481

<210> 4638
<211> 418
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316030f01b1

<400> 4638

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cttccccaag gagcacctgg agatgaccga ggccgcattc ctccgggtcg ccaaggccaa 120

ggctgacatt gtccaggtgc agttccgaag ggtgagctgt gacagggccg gcggcattcg 180

gttcaccatc accggcggcc ccaacttcct ccaggtgctg atcaccaacg tggcagcaga 240

cggcgaggtc gacgccgtga aggtgaaggg gtcgaagacg gggtggatac cgatggggag 300

gaactggggg cagaactggc agtgcgacgc cgaccttcga gggcaggctt ttgtgttcga 360

ggtcaccgga ggaaaaggca ggacgatcac aatgtataac gtcgcgcctt ggactgga 418

<210> 4639
<211> 405
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316030f02b1

<400> 4639

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gcgtctagct ccggcgaggc gatggtgggg ggcgcgccga gcggggcgaa gctgctgcag 120

atcctgaacg tgcgggtggt gggcaccggc gagcgcgtgg tggtgctgtc gcacggcttc 180

ggcacggacc agtcggcatg gagccgcgtg gtgnngtacc tcatacgcga gcaccgcgtg 240

gtgctctacg acctcgtttg cgcctgcagc gttaacccgg accacttcga cttacgccgg 300

tacaacaacc tggacgccta cgtgacgacc tgcnnnncat cctcgacgcg ctccgtatcc 360

cgcgctgcgc cctcgtcggc cactccgtct ccgccatgat cggga 405

<210> 4640
<211> 260
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316030f05b1

<400> 4640

tgctcatgcg tccgcccacg cgtccggccc tgatacccgt ttaaacacct ctcccgaaca 60

atggaaggtg ttgacgattg caccgcctgg atgcatgcct ccatctagtt agcaatacaa 120

gctattgcca cgaccttata ttgaacccat agtaatatcg tctcgtgtgc ttaaatgttt 180

actagtccga ataaaactgg atgtctgttg tttggttcag aaataataaa gatggacggc 240

gtttctaacg aataaacaaa 260

<210> 4641
<211> 422
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations

<223> Clone ID: uC-tsro9316030f07b1

<400> 4641

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gatcaatgga cttgccatcc ttcaccattg caacgctcgg cttaggagca ggagcgcttg 180

ctgccgagac ctcgatgacc cttcccttgt cccggctgct gctcgtgtac gtgccggtgc 240

cgctcgacaa cgcccagtcc gtggagctgc cgccgttcga cacgtagtgg aancggttaa 300

ccggtggcgc gaggggcant tgatcctgca gtattcgaac cacgctgctt atttttgtgc 360

gttcccacgg cttgtattgt acgcaccata gcgccacctt acacatgggt ttcgcctttt 420

tc 422

<210> 4642
<211> 428
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316030f09b1

<400> 4642

cctcagatct tcgacaacat gcagaagccg gccttcgtgt tcgacggccg caacgtggtc 60

tacgccgaga agctcaggga gatcggcttc atcgtctact ccatcggcaa gccgctcgac 120

gggtggctca aggacatgcc cgccgtggcc taattcctct ccctccctcg tcggccggtc 180

cgccgggccg gagctgcagg ggaaggaagc aaggaaggaa gagcaagaag tggtttgacc 240

gtgattcatt ctttatagtt tgcattttgc aggagaagca tccacatttt ctctctcggc 300

cataagaatt tagtaaacct tcatgtcttg ttaagttccc gatacatgtt tgcgtctgta 360

gatcttactt ataatcaagt caaatcctcg ggcccctgtg ctgcctgagg aggtttttcc 420

tttgttaa 428

<210> 4643
<211> 368
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316030f11b1

<400> 4643

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gggattgaaa tttagaggag aagcctaggc atgcaattca gctagcaatg gcggacatgg 120

tgacggcgct cgtctttttc agggcaccgt ggtgatcttc agggtgagca gctgctgcat 180

gttaaacaca atgaaggcgc tcttcgcgca cctgggtgtg agctcgacga tggtgcacga 240

gctggacaag gccccccaag gcgaggaggt cgagagggcg ctggccggta tggtcagcca 300

aagcccagtg gtgccggcag tattcatcgt aagcgagctt gtgggccgca ccgacacgat 360

catgtcgc 368

<210> 4644
<211> 286
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316030g01b1

<400> 4644

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ggtagtgctc atgcaggatg gccggcgcga gagtgtgaga gacgccttgt tgatctggtc 120

atgtttggtg tctttcttcc ttgttttgct tcattggtcg tcttggatcg agttggtagt 180

ggtctggtgg tgaagttggt cgcgaactct gttaatttcc tctagttcgg catatgatga 240

acttactttg gtggtgaaat tggtcatgaa attctgttga tttcct 286

<210> 4645
<211> 308
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316030g03b1

<400> 4645

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cggggcacat cgcccagtcc tggtcaccga cacaccaccg tgcgctcttc ctgtctacca 120

agattatgca agaacaagat tgatcaatca taagcctgct gggagatata ttatagcatg 180

gattttaaac tcagtgtact tgaaaccatt accaataatt tttcagaaga ccgaaaagtt 240

ggcagtggtg ggtatggaga tgtttacagg gggatgtata atggggatga gatttgcgtg 300

aagaagct 308

<210> 4646
<211> 177
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316030g06b1

<400> 4646

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atactttaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaga 120

aaaaaaaaaa aaaaaaaaaa agaaaaaaaa aaaaaaaaaa aaaaagatag aacgatt 177

<210> 4647
<211> 402
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316030g11b1

<400> 4647

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tcggcgctga acccggacgc gcccatgttc atcccggcgg cgttcaagaa ggtggaggac 180

tactcgcccg agtggtggga gctggtcaag accaccgcct ggttccgcga ccactggttc 240

cgccagcacc agctctacga ggacctcgcc gacgacgtcg acgtggacga cgtcgccgtc 300

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tcggcccagc cccagcccga cttctaccac tacaaaccag ca 402

<210> 4648
<211> 387
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316030h02b1

<400> 4648

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agcgcctcgt gtgcccggtc ctccccccgcg ggcgggaccg tcaccccgaa gacccgtggg 180

acatgcatgt gctctccgac gaaccacccg ggctcgctcc gctggagcct gcacaaggaa 240

cgcaagcaga aggccccggc cgaaggcaga tgcatgaagg catcctaccc gtcttcggcg 300

ccggcgaagg gcacggccag cccgttcgcg caactgggtc ccatcggcag cagctgcgcc 360

aagggcacgg gccgtacgct tccacag 387

<210> 4649
<211> 438
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316030h05b1

<400> 4649

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ccccgccccg gtcacgggcg gacgccgcat gtcctcctcc gcccacgacg actcctatga 180

gacggccaag tgggagaaga tcaccatcat tggggccgtc acctgcaccc tcctggcggc 240

gtggaacctc tccaagggcc acccccactt cgacgagccg ccggcctacc cctacctgca 300

catccgcaac aaggagttcc cctggggacc caatggcctg tttgaggtca agcacgacca 360

ttgagtactg aatagtgcat cataagaagt ccgtgaatgc ttcagtaaaa ttctctgttt 420

gtccagtggt tttttttat 438

<210> 4650
<211> 318
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316030h07b1

<400> 4650

tctcccacgc gtgcggatag ctgaaaaggt actagctcat ggagcagagg gtgccacatc 60

aatcgccgag cagactatag ttcaggccct aacaacagca agagagcact ttgccaaatc 120

tctgcttatg tgacgtgtcc ctttctcgtg gacgaagatg gcattggacc aatgtgttca 180

tttcattgtc aaaggagaaa tgaggggaaa aggtccgaat ctgtgggtgt aaaattacgc 240

gttttcgttg acgttatatg attgttcagt tttacgagtg ctccaaagtt gtgtggacaa 300

agattgtgaa atgtgacc 318

<210> 4651
<211> 201
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316030h08b1

<400> 4651

gtgggccgac gcgtggggtc gctgctgtta ccaccgcacc catcgttcac agggtctccg 60

gtagtgaaaa ggacttcttc acagaattgc gcggtctcgg tggtgaaaat ggggaacata 120

agtccattga cggcaagggc tggggagatc aggaacaact gtctgagggt gaacatcaaa 180

ccctattgaa gaatgagatt a 201

<210> 4652
<211> 417
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316030h09b1

<400> 4652

tgcaaggtca ccgtcacctc cgacggcgcc ttctacaata ggtacctcaa gtacttgacc 60

aagaagtact tgaagaagca caacgtgcgg gactggcttc gtgtgatcgc agccaacaag 120

gagcgcaacg tgtacgagct ccggtacttc aacatcgctg agaatgaggg cgaggaggag 180

gattagagtg cattgctata ttgtagtgct tgttgagttt tgatacttga tctgagtacc 240

tcctagttat ccacctatat tatgtggtgc cccgtggaac ctggatggtt taattggaag 300

aatccttata ttttgtctcc ccgactattg atccatatgt ctctgaacct agacaagtaa 360

tatgggagat tggtcctggt tttcaggtga aaaaaaaggc cccaaacaaa tagcctt 417

<210> 4653
<211> 176
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsro9316031a03b1

<400> 4653

tggtgagtac gtttttgttg gtatcgcctg tctagcagat atttggatgg cagatgcttg 60

atctttagac tgttgctttc gttgaagttg tcagcgcaga atttgttcta aaggagggag 120

gaatgtctgc aagttatgac aggacaagtt ataaatctaa aactgtcatg aactgt 176

<210> 4654
<211> 217
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316031a10b1

<400> 4654

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ggtaacatgg ggtttgagag tgcacatttc aagctaagcc atgagatgac tcaattgctt 120

gatccatctg gaactatgaa gagtgacacc tggaatcagt ttctcagact gtgtgtcaag 180

ggatacctag cgggaaggag acacatgaat ggcattg 217

<210> 4655
<211> 180
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316031a12b1

<400> 4655

gttgttcacc cgtccgccca cgccgtcggc taactaactt aacagtaaac cgagagctcg 60

ctctgcgtga ccatgatcag gacgaggagg acaagaagaa gtgtggagca cgctgctgct 120

acctggtcac gctctcagca gtgcgaatcc ccagaagcat gcttggcgcg ccttctttcg 180

<210> 4656
<211> 389
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316031b02b1

<400> 4656

tccgatcggg gcagccgccg gatctgaaga agtacatggt caagaagctc caaatcaagc 60

tgaatgcgaa ccgtgttgtc attggcacgc ttcgtggatt tgatcagttc atgaatttgg 120

tggtggataa cactgtggag gtcaatggag atgagaagac cgacataggg atggtggttc 180

tgagaggaaa tagtgtggtg atgattgaag cccttgaacc aattgacagg tctcagtgat 240

attttggcat acctgcttat ggtttagtac ttaatagagt ttggtcaaaa ccgacgctta 300

tggaatcaag caaatngtat cctaatattt gtaatgtgag atttagcact tgctgtatag 360

tttggagttt gttctggctt tagagatgc 389

<210> 4657
<211> 365
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316031b05b1

<400> 4657

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cggcggccgg caagatgttt gacgatcaag acttgggttt cttcaccaac ttcctgggga 120

tcttcatctt tgtgttggtc atcgcgtacc actttgtgat ggcagacccg cagtatgaga 180

actgatcgcc ttttgtttag caatgagacc gtattatact cggagcaaat agggaaatgt 240

gttggttaat ggtaacagag tgcttgacag atctttttaa gtgcaattat ctggcattgt 300

gacttgaatc atgtttaatc tgttgaacaa gcgaactgtg gcgatttaaa agatcgttta 360

ctatc 365

<210> 4658
<211> 405
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316031b07b1

<400> 4658

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aacaacaagg aggtggatgc cctggtggag aagatcaccg gcctccacgc cgccatcgcc 120

aagctgccgt cgctcagccc atccccagcc gtcgacgcgc tcttcaccga gctggtcacg 180

gcctgcgttc ccccgagccc agtggacgtg accaagctcg gcccggaggc gcaggagatg 240

cgggagggcc tcatccgcct ctgctccgag gccgagggga agctggaggc gcactactcc 300

gacatgctcg ccgccttcga caaccctctg gatcacctcg gcatgttccc ctactacagc 360

aactacatta accttagcaa actggagtat gagctcctgg cgcgc 405

<210> 4659
<211> 341
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316031b10b1

<400> 4659

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ggtgaagtgg cgcgcgtggc agcgcgtacg tgcgtacgtg cgcgcctcca tggcatgcct 120

tagttgatca ttaaccatgc tctccgtata ctacctaaat aagggcgacg catggtgtgt 180

gacactatgt agctttcctt tcagctggta atgatgtgtg tggtgaccta ataagtctgt 240

gtgtggctta gtacgaaaaa tttgtgtttg ctgtactgat gaaatacaag gaatatgtac 300

caccgtgcaa aaaataaaaa aaattaaaaa acttaatttt t 341

<210> 4660
<211> 408
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316031c01b1

<400> 4660

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aactccgtta gtcaatcatg gaacaacaac aagtcaagcc atctctcccc ccgtctgata 120

ctcctatgga taaccaggat tcatctccac ttcctgccgt tactactgct gatcctgttc 180

cacgtgctct ttcaaatgat tccgcgacac aggctgccag tccaaatcct gttgcccctt 240

catctccttc tgctccaacc tctgccacca cacaagatgc tgcaggacgc gaggcaccat 300

catccatgtt ttctacatca ggcttatctt cctgggcgaa aaatctgaaa atccctcagc 360

cttcttcagg tcaagaatca ccaacaggta aaaataccgt ttcccgtc 408

<210> 4661
<211> 315
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316031c04b1

<400> 4661

tcagcgcccc ggctgggcca cccgttcgtc ggcggctgcc tcaggcactg ggggcggaac 60

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cagctggtga atgcccgcat gggcgacacc gaatggaaga ccgggatcaa cctgaggcag 180

gataggggaa aggatgggat cgtgagcagg gacgccgtct gtgatgccgc gaggaagctc 240

atggattcgg acaacgacac tggccaagag attaggaaaa tggctgcgca tctccgcgag 300

gcttcccttg gaggg 315

<210> 4662
<211> 383
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316031c09b1

<400> 4662

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tagattctcc cgaggagcaa attgcctccc gagatcttca tctcgtttcg gattcctctc 120

gtctaattgg ttccggagcc aggcaagaag cgaaagagga ggaaaatgtg cccgctgagg 180

gtgatactca tcttcctctc cgccaccgtc gccggattct tcctcctaca gggccctaac 240

gccgacaccg actgtttccg tgaccgcgac cagggctcgg aatctcccac ggcccgcgtt 300

ccccttcatt ccaaggggtg gttcaagctg caaaactggg ttctggacaa cggtggacat 360

ggccagcggt cggtaccttt ggc 383

<210> 4663
<211> 53
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsro9316031d06b1

<400> 4663

aaccggaccg gaatacttgg gtttgtccac gcgtccgtag acctagaacg cga 53

<210> 4664
<211> 54
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316031d07b1

<400> 4664

ggttgaccca cgcgggtacc acgcgtacgc ccacgcgtcc ggttctagat cgtt 54

<210> 4665
<211> 333
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316031d08b1

<400> 4665

ggtgantatc tcaaccagga taacctcgtt tatgtttgtt atgcgaaaac aaaacataat 60

gtagcatatc ttgtcgagtc gctcgctcgc tggatgctgg ccgacactgg gcgtcgaccc 120

gacaacactt ttatttagcc cacgccacgc gccaccccgc gcaaagcacc ccacaccttg 180

tacgtagtaa aaagcagtag cactccagtc cactccactg gctgactaag catcacgccg 240

tgccacgtag gagcacatga ccgccgccgt ggacgctgac ccagccagct cctcctccgc 300

gcgcgccggc gcctcacacg ctgacgctgg cca 333

<210> 4666
<211> 394
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316031d10b1

<400> 4666

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cccacgatgg gatggttaca aacttaaagt ccaagtgact ataaaagaaa caacaaaaac 120

atagtaaaat gtataaaatt acgcagcttt ccccccacca ctggtggggg gttttggagc 180

tgacccctta ggaaaacaat tcttcgattg tttgctagat acgttatgag acggacctgt 240

ttaaggggcc gttccatttc tgaagctaac aaactttaag tcgttgattt gcctgcgatt 300

tgaagacgtc gtagctgcat ctgctctggt taatttcagt gcatttgcgg ctggttttat 360

tgcaaaaaaa aaaatatcaa aaactgatat aatt 394

<210> 4667
<211> 464
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316031d11b1

<400> 4667

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tacccgacca tcacgtcgcg cacgcagaag gtggagctgg ccaaggacga cgtcgacggc 120

atccagagcc tctacggcgg caaccctaac ttcaagggcg tcacgccgcc ggccaccagc 180

agcgaggaga cccacagcgc cgcccccagc gcgctctccg ggccgtggag cggcctggcc 240

gtggcggctg cgctcgcact agctctgtcg tgctagttct tcttgggtcg atcgattcac 300

gaccattttt tggtttttac ctttttaac gggcattcac tttgctctag gatttgtgtt 360

ggtgtataaa caatagtagt cattgggtgt gtaagatagt gtagatacgt gattggtagt 420

gcatgtatag agcggatcat ataggacatt tggtaaaaaa taca 464

<210> 4668
<211> 406
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316031d12b1

<400> 4668

ggtgatcaat gatgagaata tttacctctt ccctaaaaat ggagggctgg gacccgaccc 60

aaaatcatcc gtcaaaattg gaggcggtga agggtccaac tcaatagtgt ttgcatccgg 120

tgaagatgtt gatcgacctg cgcctcaggt atatgttggg catcgcaatt gtgagactgt 180

gaagggtgtg acttttattg ggccaaatca tgaatatgtt gccagtgggt cagactgtgg 240

tcggttattt atttggagga agagagatgg gaaattttta cgggcaatgg agggtgatga 300

atgcatagtc aattgtattg agccccatcc tcatgctatg acaattgcaa gcagtggaat 360

tgataatgat gtgaagctat ggactccctt tgccgttgaa cgagca 406

<210> 4669
<211> 428
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316031e01b1

<400> 4669

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cgtcggcgac catgtccggg cgcggcaagg gaggcaaggg gctcggcaag ggcggcgcca 120

agcgccacag gaaggtgctg cgcgacaaca tccagggcat caccaagccg gccatccgga 180

ggctcgctcg gaggggcggc gtgaagcgca tctcgggcct catctatgag gagacccgcg 240

gcgtgctcaa gatcttcctc gagaacgtca tccgcgacgc cgtcacctac accgagcacg 300

ctcgccgcaa gaacgtcacc gtcatggacg tcgtctacgc gctcaagcgc cagggccgca 360

ccctctacgg cttcngcggc taggcttcgt ctcgcccttc tgcatatccc aaaaagttga 420

tatgaatg 428

<210> 4670
<211> 454
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316031e06b1

<400> 4670

ccacgcgtcc gtccacgcgt ccgcaaaaga ggcggtcatc gtctaccacc gcagcgatac 60

ggcctacatc tcgcaggttt gcctgcacga gatggatttg tcctctctgc tgcagaccat 120

gaagcctctg agctagctgc ttgttatgga tcagttttgg gaatgttctt cagtccactt 180

cttgttctac tgctttgttt gcttagagca gctgttttag ctctaagcag tcgtgctcct 240

tggccaatac tagttgtaaa aggaatcgag tcactcctaa gtttgttaag tcttgtcatt 300

tctctcgtta tgctgttagt gtttgccggc aatctgtcgt tcatcctgta aaataacgga 360

ttgtatggtt caatatgtac tttaaccagg tctcaaaggt gaaaaaaaaa tctgtttgcc 420

cttaaaaaaa acaaacaatt gcacatcctt aggg 454

<210> 4671
<211> 265
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316031e09b1

<400> 4671

agctgaccag tcgatctcgt aaggtgtaag atgtttgaca ttaccctact ttgttttcgt 60

gaagaaaatg caaccgtgtt tctatggtgc ccgaatgctg gcaggctgca ttcgtaattg 120

tgtttcgaag gttttgtaac gatatgtcac agcactacat ttttaccaaa tatgtaaccg 180

tgtgaaacta ttggctccaa ataacatttt atttataaat agattgcaag aaaaaaaaaa 240

catctccctg aaaataatta aaaag 265

<210> 4672
<211> 229
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316031e10b1

<400> 4672

cggaccggcc ggaatctggt tgcccacgcg ttttaccccc tgtagaccac atcagcgatt 60

tcatcctccc gtgagccggc cggggtacac agctcgccga ctggcggcgg gagtcctgcg 120

catagcaacc atcgaggaag ggccgcagtg gctgagtcta tacgatccct gagcctacaa 180

ggatggaagg aagcggcagg ggcaccttga caccgagcaa tgcagatgc 229

<210> 4673
<211> 442
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316031e11b1

<400> 4673

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ggtgcgttcg gcgctgaacg agcacgccga cgtggtggcg gagctcttcg gccgcgtctc 120

caccgagctc cgcggcgggt tcggccccgc cgtcgacact ttcgtcggct tcttccacgc 180

cgtcgactgg aaggaacctt ggttgatcgg catgataagt ttccatgcca ttctgctact 240

ggtaaccatc atctccagga ggaacatcaa tttccaactt atcttgtcag ccttaacatt 300

ttctggtgta ttccttgccg agaaactaaa cacgttccta ggacaaaact ggaagagctt 360

ctcaagccag aattactttg atccccaagg cctcttcatc tcggtcatgt ggtctggccc 420

cctgcttctg attacgatac tt 442

<210> 4674
<211> 436
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316031f01b1

<400> 4674

gtcgttgcac aggagaagga gcaggcggcg gcggtgcctt aagaggagaa gcacggcgac 60

ctagcccgag ctcgcaacca tggctagggg tttgaagaag catctgaaga ggctcaatgc 120

cccgtctcat tggatgcttg acaagcttgg tggagctttt gcccccaagc catcatccgg 180

tcctcacaag gccagggagt gcctgcctct gatcctcatc ctgaggaaca gactgaaata 240

tgctctcacc taccgtgaag tgcaatctat ccttatgcag cgtcatatta tggttgatgg 300

aaaggtccgc actgacaaga cctaccctgc tggtttcatg gacatcattt ccattcccaa 360

gactggtgag aactacaggc ttctgtatga caccaaaggt cgcttccgcc ttcactctgt 420

cagggacgag gatgct 436

<210> 4675
<211> 186
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316031f03b1

<400> 4675

ccggcaaaaa agcgagagag cgggggaaaa aaaaaagaac cgcccgaagc agcccgcaga 60

cccagaagag agcgagaccg ccaaaagggg ggaaaaaggg ccgcccgggc gaccgaggcc 120

agcggaggag ggcacgacga aagaggaaaa gagggccccc ccccccgcg gggggaacaa 180

cagaac 186

<210> 4676
<211> 470
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316031f10b1

<400> 4676

tttctgacgc gtgggcggac gcgtgggttc gacttcaagc gattcctcga actcatgcgc 60

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aaggacgcgt cgggcaccgt ctccgtcgcg gacctccgcc acgtcctcac ctccatcggg 180

gagaagctcg agccccacga gttcgacgag tggatccgcg aggtcgacgt cgccgcggac 240

ggcaccatcc gctacgacga cttcatccgc cgcatcgtcg ccaagtagtg gattgatccg 300

tatcccagcc cgctcagact tcttcgtatt taataactcc ttcttcgcgt gattttaatt 360

tcgatcatct gatctgatct gctgcgcttc tgttttgtgc tttggtttcg gtggggtttc 420

ccaactgccc tagggtttgg gataaaaaag gtgtgattat gggataaaaa 470

<210> 4677
<211> 250
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316031g04b1

<400> 4677

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ttcctaatag tttgttggtc gaatttatag gattcttaat cgacagatca ggaatcacct 120

ccccattcag ctaagctgca tgtcttttgc ttatattatg tcctttcttg tacttacatc 180

tcatgctgcg gggatttcct atggctcaag cttgttgctg cgctcaggtt tcagcaattg 240

ctgaacctgc 250

<210> 4678
<211> 497
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316031g05b1

<400> 4678

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ccggcaaggt cgagtaccgt gtcgccctcg acatccccac cgccacctac tacgtgcgcg 120

cctacgcgct cgacgcctcc ggcacgcagg tcgcctacgg ccagaccgcg cccgcctccg 180

ccttcaatgt cgtcagcatc accggcgtca ccacctccat caaggttgcc gccggcgtct 240

tctccgcctt ctccgtcgca tccctcgcct tcttcttctt cattgagaaa cgcaagaaga 300

acaactagat gtggagatcg aaaccgtggc aaagtttgtt ggctttctct ggccggtcgt 360

tttctctcta aatgtaacag tatcagtacg gaccagcacg tacgtacgta cggtgcaaac 420

tgtacggata aatgtttcgg gtgcatacct ccttttggt tgtgagcctg taatgactat 480

gaatgaaata ttttgat 497

<210> 4679
<211> 126
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316031g06b1

<400> 4679

gaccggaccg aatactcggg tttcccacgc gccggtaaca ccatcatctc tagctctctc 60

aaaaaaaaaa tttaaaaaaa aaaacaaaaa ataccaaaaa aaaaaagaaa aaaaacaaaa 120

aacaaa 126

<210> 4680
<211> 61
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316031g09b1

<400> 4680

gctagtagcc cgaattatga atcagggtcg ttcaatatct tgggcgtaga tcgccgttct 60

c 61

<210> 4681
<211> 448
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316031g11b1

<400> 4681

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cagagttccg ctcgttcatt caaactcttg caggaaagta caatgggaat acatatcatc 180

tgatttcaaa gaactgcaac cattttacgg atgatgtctg taagaacata accaaaaaac 240

cagcccctgg atgggtaaat cggctagcaa gagtgggtta ctttttcaat cgccttctac 300

caaaaagcaa ttaagactct actgttactc acggagcaac ccatcctgca ttctctgatg 360

atgatgtgga atcatcaggt tcattcctta atggggaccg tgatatggat gacctggacc 420

agaacctgct accagccgca ggcactga 448

<210> 4682
<211> 397
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316031h03b1

<400> 4682

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cttgcaaact gtatgaatgc actcgaatca aaagatcagg aactgcttaa tctgcagagt 120

gctccttgga cagtactatg ccgagagtga agcaaaggag cgacttgggg atgatttagc 180

tatggctaga gaagcattgg ctaaattatc tgagtcactg aaagaggcaa atcaaggaat 240

tgaaatttca agaagggaaa aggacgaagn aagttgccaa acttactcaa gccgagaaga 300

tgctagcgga cgggaagcgc tacctgcaga agcttgagga tgacaattca agattaaagc 360

atgcgctaga acaaagcatg acaacagtca ataggat 397

<210> 4683
<211> 371
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316031h09b1

<400> 4683

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aaagcaggat acagtggaga aggtttgtga aattgttaag aagcagcttg ctgttcctga 120

aggcactgaa gtttgcggta ccaccaagtt ttctgacctt ggagctgatt cactggacac 180

ggtcgagatt gtgatgggcc ttgaggagga gttccagatc agcgtggagg agacgagcgc 240

gcaggcaatt gcgacagttg aagatgctgc cacgctcatt gacaagctng tctctgcgaa 300

gtcatcttga agggaggtcg taaatcgtaa tgattggagc ttcgaagcta gtattcttac 360

cttgngctga t 371

<210> 4684
<211> 411
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316032a01b1

<400> 4684

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aggccaaggg ccggatccgc aagggcgacc tcacctggca gatcgccttc ggctccgggt 120

tcaagtgcaa cagcgccgtg tggagggcgc tccggtcggt caacccggcc aaccccgggg 180

acgtcgccgg caacccctgg gccgacgaga tccaccgctt ccccgtgcgc gtgccaaact 240

tctcagccat cgatcctcca tccactttca gcgacaccac ccagcaataa ggatttctag 300

tggtcacgta cgtacgtctt ttggtctgta gctagcatta tactgtatta gcgagctgct 360

tggttggggt tgcattggta ttaagtagag tcagtcgagc taggtttgct t 411

<210> 4685
<211> 339
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316032a04b1

<400> 4685

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cacgcgcgtt tttcgcgcgc gccactggct gataagcggg aaggtttggc caccatgtgg 120

gcagcgccat ggggtccgct caggctaact aaaatgtggc tgcaatgtgg gcaccatgcg 180

tgtgtgggcg tcataattaa ataagggtcc acagcctgaa ggagtgaata atcgcgagac 240

cattaattgt tggggctgcg cacgatctga gtgggcctgg tgaatggata tggatcaaag 300

cagagatgcg gcatactaga ggtgggggca gaatcccta 339

<210> 4686
<211> 396
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316032a10b1

<400> 4686

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atgaggcact ataatcgtca agagtccatc catgtggcta ttgagaagag agaagggcgg 120

gaaagaagtg aagaaaggga catgagcatc aaggaaagaa gaaaccgggg gccaaaactt 180

aagatggagg ggatctactt gggaagaaag aaggaaagga gaagggccaa atcagaaaag 240

cggcagacta gaggaggggt caaaatccct agcagcagcc ccgatccccc ttgggcctag 300

catcttcatc tctctgcccc gactgcttct ccacctctgg ccgccgccgc ggccaggccg 360

gcatgtgggc gcgcgaccgc gccaacaggg ccaccc 396

<210> 4687
<211> 149
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316032b02b1

<400> 4687

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tagctctagg tggtttgctg cgtctgccac aatgagcgta cttctgggga aaagctgtct 120

cgaacttata ataagcatt attttttcct 149

<210> 4688
<211> 143
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316032b03b1

<400> 4688

ttttggtgaa agccttttc tcaaataatg atttttgtct ttgcaaaaaa aaaaaaaaaa 60

aaacaaaaaa aaaaaaaaga agataaaaaa aaaaaaaaaa aaaaaaaaat aaaaaaaaaa 120

agaaaaagaa aataaggaag agg 143

<210> 4689
<211> 311
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316032b04b1

<400> 4689

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agtggccatt cttcagggtc accatcgatc ttgttgagat ggtgttcgcc aagggtaatc 120

ctggcattgc tgccttgtat gacaggctcc tagtttcaga ggggctacag ccactgggtg 180

agaagctgag ggccaactat gaggagaccc agaagctgct tcttcaagtt gctgagcaca 240

aggatcttct tgaaggtgat ccctacctga agcagcggct acgcctacgt gacgcgtaca 300

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<210> 4690
<211> 70
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316032b05b1

<400> 4690

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<210> 4691
<211> 486
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316032b07b1

<400> 4691

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ttatgacatt gggtctacca taagggacaa gatcatccct catgctgttt cttggtttac 180

tggtgaggct gtgcaagctg aggatttcga tgatatggaa gatggtgacg aggatgacga 240

cgacgatgat gatgatgatg aagaagatga tgaggatgat gaggacgagg acgaagacga 300

tgatgaagat gaggaagagc taagcaagcc gacgaagaag gtggcgggca aaccgaaggg 360

acctgcaaag ggtggcgcac aagggaacgc cgagcaaccg acggagtgca agcagcagta 420

gactttgtgg atgcagttgt tgcagtattt tttccattga actgcccagg gngaatgagc 480

ttttat 486

<210> 4692
<211> 315
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316032b11b1

<400> 4692

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tgactcaaca attgacctgt gcttccatta tgagattata acttcgagct gattgtagtc 180

ttaatgtttg atagaaatct ccaaatatga taagtttcct gttattacca atgtcatgtc 240

agttatgttg ggtgagtcac aaaacaccag ttgacaccgt tcttctgtgt gggaacacgg 300

catgtatctt gtggg 315

<210> 4693
<211> 485
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316032c02b1

<400> 4693

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ttcgtcaacc tgcacaaccg cgcccgcgcc gtggacggtg tcggcccggt ggcgtgggac 180

aacaacgtgg ccaggtttgc gcaggactgg gcggcgcagc gcgccggcga ttgccggctc 240

cagcactccg gcgggccgtt cggcgagaac atcttctggg gttccgggca gtcgtggacg 300

gccgccgacg cggtgaagct gtgggtggac gagaagcaga actaccatct tgacagcaac 360

acctgcgacg ccgcaaggtg tgcgggcact acatcaggtg gtgtggcgca agtcgacccg 420

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caacc 485

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<211> 413
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316032c03b1

<400> 4694

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catcgtccac ctctgcttcg ccatgaacgc ccggcccctc ctgcacgcct cgctcccgcg 180

cgccggggcc gggttctacg gcaactgcta ctacatcatg cgcgtgtcgg cccccgccgg 240

caaggtggcc ggctccacga tccccgaagt ggtgaaagat catcaaggac gggaagaggc 300

ggatgccgtc ggagttcggg cggtgggcga ctcgtgaggc cggcgccgac ggtggcgtgg 360

acccgtacca gatcacgtcg gactaccgga ccctgctggt gtcggactgg acg 413

<210> 4695
<211> 103
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316032c05b1

<400> 4695

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agatgaaaaa aaaaacatga ccctgaagag ttcgtgtccg tac 103

<210> 4696
<211> 269
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316032c06b1

<400> 4696

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ttcccaagtt gtaaccctcg aaattctagt accagaaata tctgattgtt cgtctcggtt 180

gcaaggtcag caagtatgta cgacctagaa cacttgccat cacacagaga aaaaggaaga 240

taataaacac tgatgcgtga gcttatgcc 269

<210> 4697
<211> 478
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316032c10b1

<400> 4697

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gacgaagcca gcaatgtgat cattctgtat gttgatgaca gtgcctacat gcttgatctt 120

aagtcgatgg aatccacaaa acttgatgga agccgtttga tgaattcctg tcacccattc 180

accagtttct atccgccaga catggccatc taagaagcat tgatatgtgc acacggacac 240

aggggtacgg atacacggaa tacggcattt tccagaaaca accatacata aataaataaa 300

gtacagcatg taatgttgtg aggacaaaag tatatttgta agatgtgcga tcggttgttt 360

tctgccttca tttccacgtt tgtatatggg tgagcttaat gcagctgacg ctgcatgttt 420

atgtaagtag atatttcagg aaaaaaagat aatacaatgc agcatgtaat atggacat 478

<210> 4698
<211> 471
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316032d02b1

<400> 4698

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ggaacctgga ccaggaccac tgcctggagc tcttcacggg tcagaagtga tccgtgtgcg 180

caagcttgcc tcatctacgg ttgggtgcag tggacatcca cgacgcagca ttactcaaat 240

aaaaaatgcc cccaatgtgc ggggttactc gagttgtttg aacttgtttt tgcttcagca 300

caacgtatct atcgatgttc atcttgtatt gtattcccta tatactagta cgtgtgtgtg 360

tgtgntgttt gtttattaat tgtgatccta cttgtaaaga attatggtac actggtccaa 420

gaggaaacgg ctgtgtaata aatttgctgt cgaggagctg agctaactaa a 471

<210> 4699
<211> 389
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316032d03b1

<400> 4699

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cgagccaaca aggccaagcg ttgggcgggc cgtgtgtgca gatgccgacc atcatcatca 180

aggtggacct ggattgcgcc cgctgccacc gcaagatcga gagggtgctc gacaggatca 240

gagagaaagg cgagttcgtg atcgacgaca tcgagtacga tgagaagaac aacaaggtga 300

tcgtgaaggg ccccttcgac gcggacaagc tctccgacaa gctctgctgc aaggcctgca 360

agatcatcaa ggagatcgag atcgtggag 389

<210> 4700
<211> 324
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316032d07b1

<400> 4700

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gctggtgttc ctggatcggc aggaggagcc aggacgcgac ggtcgtgttg tatacatctt 180

ctacagatag attgtgatca tcagaatatg catgcagcct gtgctgtgct ccctatgcat 240

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tgctgtggta gcagaatggt cggt 324

<210> 4701
<211> 72
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316032d08b1

<400> 4701

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aggaagtgat ct 72

<210> 4702
<211> 334
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316032e04b1

<400> 4702

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gcttgcccga gattgcccct ctctgcaggt gaattgggac tttacaaact cgacttttgt 180

gcttccataa tcaatagtcc tgattgaatg agttgtatcg gttatgtaaa ctcgcttcat 240

gcgtgactta ctgtgcacat ataagctatg ctatattgtt naaaaaaaaa aaaaaaaaaa 300

aaaaaaaaaa aanncaaaaa caaaaaaaca caaa 334

<210> 4703
<211> 372
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316032e05b1

<400> 4703

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gcggctccgg cggcggcaac tggagggagt gaatggtggg gcccctcgct ggccagttat 180

cctagttacc cgatccgttt gtacctgtct accaaaatgt tatcgctcgc tcgctcccga 240

gtatcctaga tctcgctccg tcgcgtaggt tccgagatgt tcaggctacc gatagatgtg 300

acgctgctac cgttccgtgt tactgttccg tccacgctct gaacgctttg cttctaagat 360

tgaaatgaaa ac 372

<210> 4704
<211> 169
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316032e06b1

<400> 4704

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cgaacaaaca taaaaaagca accaccgcat gcgtatgcgg tgattgacct agtgttatca 120

aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aagaaaaaaa aaagaaaaa 169

<210> 4705
<211> 242
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316032e08b1

<400> 4705

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gcggccgtcg ttgagcctgc cgtgtaccgc gggatcgtcg ccgccgtggc tgaggaatga 180

tacccaacca tgccactgcg aataataaaa atcaagctgc ttaattagca tgctgtcaac 240

tg 242

<210> 4706
<211> 397
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316032e11b1

<400> 4706

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agagcgcacg ggacaaggct gccatggcgg aagacgcggg gccgatggtg ggaggcatca 120

aggactcgcc gatgggccag gagaacgacc tggacgtaat cgcgctcgcc cgcttggccg 180

tgtccgagca caacaacaag gtcaatgcca tgctggagct ggagaatgtg gcgaagctga 240

agaagcagac tgttggtggc acgatgcact acattacaat tcgggtcact gaaggtgggg 300

gcaagaagct ctatgaaact aaggtgaggg agaaaccatg ggagaacttt aagcagctgc 360

aggagttcaa gccggtggag gacgctgaca tggcatg 397

<210> 4707
<211> 295
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316032e12b1

<400> 4707

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gcacgccggt gtaagatttc tttctttttt tttgcgggaa accggtgtaa gatttcagta 180

gcatcgtaat gtcgtctttt agatttccaa aatcgtaatg tctcactaag ctgcatgacc 240

atccaagaga aaaaactgaa agaggagctt gatgacacga gagactaaac ttgaa 295

<210> 4708
<211> 376
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316032f01b1

<400> 4708

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ctatgcttgc atctcaggat gttgctacac gttgcaagga gcttggtatt accgcactgc 120

acattaagct ccgtgccact ggaggcaaca agaccaagac acctggacct ggagctcaat 180

ctgctctcaa ggctcttgct aggtctggga tgaaaattgg gcgcattgag ggacgtgact 240

gcagatgcca ctgacagcac ccgtcggaag ggaggaagga agggaaggag gctgtaagct 300

atcttccaac tctactggcg gctatccaga aacttactcc tctctgggca gctctgctga 360

ttctatgaat gtcatg 376

<210> 4709
<211> 496
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316032f02b1

<400> 4709

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gcttgccgtg ccttcttccg ggtgcaccgg aggctggcat gtgagcaggg atgcttcagt 180

gatgcagaag aaaaaaggca agtcttatcg gcaagggaag gctacgcctt tcttccaggt 240

ctccctctct ccatctaaat ctgtgtttgg aggaggggc tacngttagt ttacccaccg 300

gtttactgcg tccttgtgag ttgtgatcat tatcatgcac ttgtcaagtg cttggcaagt 360

atggtgttct tgaaattttc ggttacataa gggtcggtgt gtgagtgaat gttatggtgt 420

tctagaatgc tcatgtgtca gcctgtgtgt tgactgttac tgtgagtcaa ttagctaaaa 480

gaagtgtgat gtgtgg 496

<210> 4710
<211> 459
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316032f06b1

<400> 4710

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cgtttcagtg gaggtgtctc ctaggctggc aaatgacacc caaggaaccg tcgaagctgc 180

gaagtggtta cacaaagtgg tcaaccgccc caatgtgtac ataaagatcc cagctacagc 240

agaatgtgtt ccttctatca aggaagtcat tgctaatggc atcagcgtca atgtcactct 300

tatcttctct gttgcaagat acgaggctgt gattgatgct tacctcgacg ggcttgaggc 360

ttctggtttg agcgacttat cccgagtaac cagtgtagca tccttctttg tcagccgagt 420

tgacagtctg atcgacaaat gcttgagaag attggaaca 459

<210> 4711
<211> 409
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316032f07b1

<400> 4711

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agctgctccg gcacaccgtc gccggggcgc ggcagtcctc gggcctcata atcaacaccc 120

tgggcgccat cgaggccgcc aacctggagc agatccgcga ggacctgtcg gtcccggtgt 180

tcgccgtcgc ccctctccac aaactggcgc cgtcggccaa gtccaccagc ctgggcgaga 240

cgcaggcaga ccgcggatgc ctcggctggc tcgacacgca ggagcccggc agcgtgctct 300

acgtgagctt cgggagcctg gccgtcatgg acccgcacga gttcgtggag ctggcgtggg 360

ggctggccct gagcaagcgg ccgttcgtgt gggtcgtccg gcccaagct 409

<210> 4712
<211> 448
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316032f08b1

<400> 4712

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gctctttttt tgggggggggg ccttttttggg ggtcccattt tccgttcggg ggcttgcgcc 180

gtttttgttt ttttttgggg gccccttatt tcttttcccg ggccgggttt ttcccccgtg 240

ggggcgggga aacccctggg ggtcccccct ttttttggtt tggaggaatt ttccctttt 300

gccggttggg gtttttttgcc aaggggcccc acccttggcc ttttcccccc tttggccccc 360

ttttttgggg gtcctggggc ccccccctttt gtttggcgtt tttttgcggg gggggggggg 420

gggggtttcc ccccccctggt gccccttt 448

<210> 4713
<211> 297
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316032f09b1

<400> 4713

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gcagacccag aagagtccgt gtccgcaaca aatggcagta aacatggccc tcgggggcca 120

gtgtatctat gtggaggagc acatgacaaa agatgaactg agtgcccgtc tacgctcgct 180

gggtgcaaaa cagaaccgtg atgtcaagtc aaaggggggac aaaagaagaa ctggccctcc 240

gtgtggaaga tttaaaaagag gatctaggta acgcgaggcc taagcgtggc actggcc 297

<210> 4714
<211> 403
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316032f12b1

<400> 4714

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caaagatgaa gcggctgctc gttcatggcg ggaggggaat cggctgcccc tccaggagcg 240

cctgggagat ccctccgccc tgcccgcgct tggcaacagc gttctactgc ccaggtacca 300

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gacagcggag gagttcctga aaatggccaa ggagaagacc gac 403

<210> 4715
<211> 474
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316032g05b1

<400> 4715

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gatgggtatg ttgatattgg tttttcaaat tgtacgagat gctgcctcct tggtcgcctc 180

tcttaaacct tatgtctcaa agcattaatg taatgtgaat gctaaaccgt aagttgaatg 240

gaacctatct ttccacaacc tattacctaa agagaagcca ttttatggtt cctaatatga 300

cattgagtgc tgtcatgcat gatttggtat aatgtttgcc gttgatttgg tatactattt 360

gcagttgtca cccagcacaa tttcttgatg aatggttaga tttgtattgc cctttccttg 420

gtttgccagt cactgtcagt tattaatact gaaacttctg tattgcaaaa cctt 474

<210> 4716
<211> 270
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316032g07b1

<400> 4716

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tgaggccctc ggatgcaggc tagctagatg gtggcttgtg gcgttgtagt attacatata 120

tctgtccaaa aaaatgtact actgagattg gagcagtaac cagagatttc atctcatcta 180

aaaaaaaaca actgaaaaaa aaaaaaaaac taaaagagac aaaaaaaaaa aataaaaatc 240

taaaaggaaa aaatgaaaaa agaagattga 270

<210> 4717
<211> 384
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316032g08b1

<400> 4717

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acctctcgtt gcctggagcc tgggaacgat atccacggag ccacgctgct gtgctacatg 180

acaagaccaa gttgcccctt gcgtgctgcg tgttcactca ggtccatttc aacccatgcc 240

actttcccgg ggaatggggc cctgcctcgt ttcggttcct atccattgag ccaagtagtg 300

ctctgtgtgt agccaccgtg aaatcaatca atcaatcaat ggatccccac tagctgccgt 360

gcaatcatga actgggctga aata 384

<210> 4718
<211> 467
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316032g09b1

<400> 4718

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ttgtcctttg ggctttcata tcttttccac tggtgctttt gggaacggtc gttggtagaa 180

actggagtgg ggctcctaac aatccctgcc gagtaaagac tattccccgg cctattcccg 240

agaggaagtg gtaccttaca ccttctgtca tctcattgat gggtgggctg cttccctttg 300

gcagcatctt catcgagatg tactttgtgt tcacatcatt ctggaactac aaggtgtatt 360

atgtttaccg cttcaatgtc gctggtcttt gtcattcttc taatagttac aatctgtgtc 420

acaattgtcg gtactttatt tttgctgaat gctgagaact atcattg 467

<210> 4719
<211> 319
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316032h02b1

<400> 4719

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tacaactctg ccgtgcttga tggcgcgaag cgtggcaact ccgtcgccac ctacctcccg 180

ctcgtcccaa ctgagcgcat tgcaagggtt ttcgccaacc cggccgacga cactgcgcct 240

gccacagctc ctgagatgca gcccatcccg acgcagtaac aataagagct acccggagtt 300

ctattattac ctaatagct 319

<210> 4720
<211> 446
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316032h04b1

<400> 4720

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aggagtacgg ctacgtggtg ctcgtcgtgg tggcctacgc cttcctcaac ttctggatga 120

gcttgcaggt cggcgccgcc cgcaagaagt acaaggtgtt ctaccccacc atgtacgcca 180

ccgagtcgga gaacaaggac gccaagcgct tcaactgcgt ccagaggggg caccagaact 240

cgattgagat gatgccgctc ttcttcgcca cgctgctgct cggcggcctg cagcacccgg 300

tcgccgccgc cgcgctgggg ctgctctaca ccgtcgccag gttcttctac ttcaagggct 360

acgccaccgg ggtaccggag aaccgttaca agcttggggg gactaacttt ccgcgataat 420

ggggctgatc atctgactgg gtaaat 446

<210> 4721

<211> 480
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316032h10b1

<400> 4721

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gggttgcgaa ttcctttggg ttccgtagta gacgccttag cactaagcgt taccggaata 120

tgctttggaa ctcgtctgta cttaggacta agattagaac caatagcgct ttcacgcaga 180

gtcaagcatc cgctgcaagc tctgcacagt atacagtggg tatatacgat gccttcggca 240

atacagctag tcccttctgg accgcgggtg gaggcgcatt tgcaccggat ttcggttctg 300

gtgttcctac aattactggt aacattgtcg tacgtggcgg tgttcttggt atacgcgtta 360

caaaccagag tgctgatact cagcctcaag aagtcaggat tacattgata cgtactggaa 420

gtcgtagggg agttgcacct tccgccatcg ncaataaaca gtcggatttg acataactca 480

<210> 4722
<211> 253
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316032h11b1

<400> 4722

taataaaaaa caaaaaaaaa aaaaagagag aaaaaaaaaa aacaaaaaaa accaaaaatg 60

cagcagaaaa acccaggggg gccgcgtgta cgagccccag ggccccaacc gggccctgcg 120

ggggcttggg ccctctgagg gggtcaccat gacgaaagat accgggcgcg gtcttacagc 180

gtgcgggggg ggaccaccag gaccgtgccg cgctcccagc ggggagcgac agagcctctg 240

ggtccccggg ggg 253

<210> 4723
<211> 447
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316033a03b1

<400> 4723

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gggccccatg ccggcgccca ggatggcccc gctccccgca ccgccggcga ggtcgccggc 120

caccgccccc gcgccgggcg ccaccccgcc caccggcgcg tcgccgtccc cgatggcctc 180

gcccccggac ccgcccaccg acgctccctc cgcgatgacg ccctccgcgg tctccgccac 240

gcccaccggt gccctcaccg gcgccccccgc gagctccgcc gcgtactctg ccgccgccag 300

cttcgtcgcc gccgccggcg cggtcgcaga cgtcatcatg ttctagatgt ggcgagggtc 360

ctgagctgat cttcgacctg ccgccgacga ggggctatga gtctgatcca acgttgttta 420

tactccgacg agattctttt tcggttc 447

<210> 4724
<211> 457
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316033a06b1

<400> 4724

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gtgaagctaa tgggcccgag gtcggtaaga agagttggat gcctgcatct tatcctggtg 120

gtccgcgctg tatgactgaa aacttctatg atggggtggc tgttttgcgt atgcatgcct 180

cgcctgatat aatcacaacc ttcacatgta gtccaaagtg gcctgaaata acggagagta 240

ctgaacctgg gcaaaaaaca gtcgataggt ctgacattac cgttcgagtg tatcgcttga 300

aacttcttga gtacctacag aaaatgagga cagggaggat gtttgggcct atagttgctg 360

atatccacgc aggggagttt cataagaggg agctgccgca tgcgtgtgtn cttgtttggc 420

aagagaagca tcatgactcg gtggtcacac caacttc 457

<210> 4725
<211> 490
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316033a07b1

<400> 4725

ttgcatggag ccagtggaga agtgcctgag ggatgccaag atggacaaga gcactatcca 60

tgatgttgtg cttgttggtg gttccaccag aatccccaga gttcagcagc tgctgcagga 120

cttcttcaac gggaaggagc tctgcaagag catcaaccct gatgaagctg ttgcctacgg 180

tgctgccgtc caggctgcaa tcctcagcgg tgaggggaac gagaaggtgc aggaccttct 240

cctcctggat gtcaccccac tgtctcttgg tcttgagact gctggaggag tcatgactgt 300

gctcatcacc aggaacacca ccatccccac caagaaggag caggtcttct ccacctactc 360

cgacaaccag cctggtgtgc tcatccaggt gtttgagggt gagaggacaa ggaccaggga 420

caacaacctg ctcggcaagt ttgagctctc tggcatcccg cctgcgccca ggggtgttcc 480

ccagatcact 490

<210> 4726
<211> 416
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316033a09b1

<400> 4726

tccacgcgtc cgcccacgcg tccgattctg atgtgattca gtgcaccaaa ggttacataa 60

tacgagtaaa aattgttagg tcatagatgt gcttcaaaat gtaattctga gcgcatatgt 120

tgcgggaaat ctgtagcatg tagagcaaat tggtaattgt ttgtattgtt ttgtacacaa 180

tagattactt gtgattcttt tcgttnaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 240

aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 300

aaaaaaaaaa aaaaaaaaaa aaaggggggg ggccttttta ggggaccaaa tttatcttgc 360

cggggatggc gaggaaaaac ttttttttttg gggcccctaa aatcaaattc atgggc 416

<210> 4727
<211> 404
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316033a10b1

<400> 4727

actaccacgc gtccgcccac gcgtccgatt ctgatgtgat tcagtgcacc aaaggttaca 60

taatacgagt aaaaattgtt aggtcataga tgtgcttcaa aatgtaattc tgagcgcata 120

tgttgcggga aatctgtagc atgtagagca aattggtaat tgtttgtatt gttttgtaca 180

caatagatta cttgtgattc ttttcgttna aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 240

aaaaaaaaaa aaaaaaaaaa gaaaaaaaat aaaaaaaaaa aaaaataatt taaaaaaaaa 300

ataaaaaaaa aaacatataa aataagaggg gggggccttt taaaaggtac caatttttct 360

tcccggggtt tgcacgaaaa aatttttttt ttggggcccc caaa 404

<210> 4728
<211> 203
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316033a12b1

<400> 4728

tacacgtgcg tcttagacct gtggatcaaa tgtctggaat gtggtctgtc gaggtattgc 60

aattgcgggc gcctattttc acttggaaac ttatgtgagg aagctctgca cttcctgaat 120

gcaagctttc cacaagtatt atttcatatg tatattcaag tgttgcacta cgtattatgc 180

tctcttgcaa ttatccaatt gcc 203

<210> 4729
<211> 431
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316033b11b1

<400> 4729

ttttaccagc gcaggatttt atctggtcct aatgggtaca attctgtgcc ttcaacaaca 60

agagaagaca ctagctctag aattccagat cgattttctg ggagaatagc aactgctgca 120

caatctgcta gttcttcaca cagacctgcc agccaggagg gtcgttcagg aaataaatca 180

tactctgagg aggaattgag agagaaatct attgcaacca tccgggaata ttatagtgcg 240

aaagatgaaa aggaagttgc attgtgtatt gaggagttga atgctccgag cttctatcct 300

tctcttgtat cactttgggt aaatgattcc tttgagagga aagatatgga aagagagttg 360

ttggcaaagc tctttgtcgg gctttacaat ggtggatata atttattgag caagcctcag 420

ctcattgagg g 431

<210> 4730
<211> 498
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316033b12b1

<400> 4730

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aagtgaagct gctgggcatg tgggcgagcc cgttcgtcct tcgagtcaag ctcgcgctca 120

gcctcaaggg cgtcggctac gagtatgtcg aagaggacct caagagcaag agcgagctgc 180

tcctcaagtc caaccccgtg ctccagaagg tgccggtgct gatccacgac ggcaagccca 240

tctgcgagtc gtcggtcatc ctgcaataca tcgacgaggc tttcgccggc gtcggctcct 300

cgctcctccc ggaggaaccc cacggccgcg ccgttgctcg cttctgggcc gcttacatcg 360

acggcacgct cgtgaaagca tcgtccgagg cgtccatggc caagacggag gaggagaagg 420

ccgaggggaa gaagcaggtg gcccgcgcgg tggagacctt ggagggggcc ctgagggact 480

gctctaacgg gaaaccct 498

<210> 4731
<211> 412
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316033c02b1

<400> 4731

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ggaagcccct cgtgctgaat gtggtcaggc gcgccgagca gatgctgatc caaaacgagt 120

cacgtgttaa ggagtacttg ccgatcactg gattggccga tttcaacaag ttgagtgcca 180

agcttatctt tggtgctgac agtcctgcta ttcaggagaa tagggtggct acagtacagt 240

gcttatcagg aactggttcc ttaagagtgg gaggtgaatt tcttgcaagg cactatcatg 300

aacgcactat ctacatcccc cagccaacct ggggggaatc acccaaaagt gttcacttta 360

gctggcctga cttgctagga gtaccggtac tatgatccct gcactcgtgg ac 412

<210> 4732
<211> 418
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316033c03b1

<400> 4732

tgtccgncca gcttgtttta tgtttaatta tgacccctgc agtttgccta gctagcacta 60

tgctatcgta cgctgtgata ttgtgtgaca tggtatcatg ttattatatc tctacctatc 120

taaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 180

aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 240

aaaaaaaaaa gggggggccc gttttaaaga accaaattta actaccccgt gattgcaaag 300

aaaaattttt tttatggggc aacaaaaata aaataaatgg gccgggtttt aaaaacgggg 360

gaatgggaaa aacctggggg tacccaaatt aaaaggcttg gaaaaaaatc ccctttttc 418

<210> 4733
<211> 461
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316033c04b1

<400> 4733

ttgaattcaa gaaagacatg gacgagcagt ggatgatggg gcagacttcc ctcagcctcg 60

gcctcaacgt cggccggccg acggcgcggc ggggtgcccc tccggtgacc aaggtcctcg 120

tggaggagga cttcatgtcc tccaagaaga atcacgaggt cgaggcgctg gaggcggagc 180

tccggcgcgt gggcgaggag aacaggaggc ttagcgacat gctccgcgcg ctggtggcca 240

agtactccga cctgcagggc agggtcagcg gcaagatggc ggcggtgacc gcggccaaaa 300

accgccagtc acccacgacg tctgagggcg gctccgcatc ctcgccgtcc aggaagcgcg 360

cccgcagcga cagccccgac accgccgtcc aggaagcacg cccagccagc ggcggcttcg 420

ccgtcagcgt caacgtcggc cccgaccagg cggagtgcac g 461

<210> 4734
<211> 514
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316033c08b1

<400> 4734

ttcagacaat gccatcacag gaactgtccc tatctcaaca ggaacgacac cgggccttga 60

ccttcttacc aacacgaagc acttccattt caacaagaac cagctatctg gaacgcttac 120

aggcctcttc aagcctaata tgaccctcat acacatattg tttgatagca atcagttcac 180

aggcccaatt ccgcgtgagc ttggaagcat tacctcgctc caagtactcc gactggatag 240

gaaccaattt gcgggagcag tccctaacat caccaacttg gtcaacctaa atgagctgaa 300

cttggcaacc aacaagctaa ctggatcagt gccaaatctc agcagcatga acgtgttaaa 360

tgttgtggat ttaagcaaca acagctntac cgcgtccgca ataccagcct ggttcacaaa 420

tctaacaaat atttcttcaa tatcgatgtc ttctgcgagg ctcacttggc gggtccctca 480

ggaactcttc aatttgcccc agcttgcatg aagt 514

<210> 4735
<211> 403
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316033c12b1

<400> 4735

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ccactgctga cgaggagggc gagtacgagg atgaggatca ggagcctgag gaggacatgt 120

aaggtgggat gtccatgtcg tgctttgctg ggtgggggtt ctgggggcag agtttgatct 180

gtttggtgct ttgttataaa tctgattatc atcgcaacta ccgcttgtac gccaccgcca 240

ttcttcctgc ctttcctaag ctctgtattt cctatgttat ggcacctttt cggtattgta 300

tcacttgatg ccgcgcggta tgttctgagt tgaggtttct ggttctctca acagacaagc 360

aacacatact actttaaaac agctggcaaa ataacaaaaa ggc 403

<210> 4736

<211> 491
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316033d02b1

<400> 4736

gtctgccact tcatcgggga gggcgggttc gggccggtct acaagggctt cctcgacgac 60

aaggtggtgc cggggatgca gccgcagcac gtggccgtca agtacctgga cgccgagggc 120

ccccagggcc accgccagtg gctcgccgag gtcgtctacc tcggcatgca gctcagccac 180

ccgcacctgg tgaagctcgt cggctactgc taccaggagc accaccgcat gctggtgtac 240

gagtacatgg cccgcggcag cctcgagcac cacctcttca agaatctgct ggcgagcttg 300

ccgtgggcga cgaggctgaa gatcgcggtg ggggcggcca aggggctggc gttcctgcac 360

gaggcggaga cgccggtcat ctaccgggac ttcaaggcct ccaacatcct gctcgaatcg 420

gtcagtgctc ctncaccatc cctaccaact ncggcgggca tatcatatcc cgttcatacc 480

tncatacctt c 491

<210> 4737
<211> 72
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316033d05b1

<400> 4737

atcacgcgtc cgcccacgcg tccgcccacg cgtccgccca cgcgtccgcc cacgcgtccg 60

tctagatcgc ga 72

<210> 4738
<211> 420
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316033d09b1

<400> 4738

tcgtgcctct cttccttttc tcctttcaaa ctgagatcct tttcttaaac cctctcctcc 60

tcccctatcc ctctcccttt tttaccctgt ctttgtctct aaaagaaaga actcggaaga 120

tcctcttgaa atgcaaaacc gcccaatttt tcttcaattc ttttttttctc ttccacttca 180

ttttctcggc tgtctggttc tggtgtcggt ttgtttgggc tgggtactgg ttcggatgga 240

tcaacacagg actttgggaa agctacggtt gattagggtg tattgggtgt gttttttgtt 300

gcctttctgg gagggctttg aggggcgagg agatatgaaa actcttaggg ggtgaaggga 360

aatggggaat gattgaggga tatgccttgg gcttcgttag agcggattca gatgtgtttt 420

<210> 4739
<211> 440
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316033d10b1

<400> 4739

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cctcttgaaa tgcaaaaccg cccaattttt cttcaattct ttttttctct tccacttcat 180

tttctcggct gtctggttct ggtgtcggtt tgtttgggct gggtactggt tcggatggat 240

caacacagga ctttgggaaa gctacggttg attagggtgt attgggtgtg ttttttgttg 300

tcttcctggg agggctttga ggggcgagga gatatgaaaa ccttttgggg gtgaagggaa 360

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tcgcaatgac aagaggcttc 440

<210> 4740
<211> 499
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316033d11b1

<400> 4740

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caaaacactg gaaatccaat gaagctgaag ctgttgagac agcgaaggaa tggactcgta 180

tgtatgccag tggcgcatga caagctaacg ctgttatgga tgtaataaca ctgtgtcata 240

gttgggccta atcgaaaacc atttgcttga taaaaacaca cttgaaatga tttgcgatgg 300

acgaatgtat ccagagcggc atcatttctt gttggtggtt gtatttgtgg tgcgtgttct 360

ggcacgcttc ataacttgct gcttatagaa cacgctctgt ttctcgttca tcctcaattg 420

tttctccaat taaaaatatc tgttgtgatc cggtatgtaa gctcttcaaa tgaaatagtg 480

gctctctgta ttntccccc 499

<210> 4741
<211> 466
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316033e01b1

<400> 4741

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gacgagtccg gcgaggcgcg ggtggcggac ttcgggctgg cgcggctgat cctgccggac 180

cggacgcacg tgacgacgga gctggtgggc acgctggggt acatcccgcc ggagtacggg 240

caggggtggg tggcgacgct gcggggcgac gtgtacagct tcgtggtgct gctggagctg 300

ctcaccggga ggcggcccgt ggagatgatg gcggcggcgg ggcagccgag ggacctcgtc 360

gggtgggtga cgcagatgcg gtcggcgggg aggcacgcgg aggcgctgga cccgcggctg 420

aggcagggga gctcgcctgg cgacgaggcg cagatgctgt acgtgc 466

<210> 4742
<211> 496
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316033e12b1

<400> 4742

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aagggtatgc tgacaggccc tgtcacaatc cttaactggt cttttgtcag aaatgaccaa 180

ccgaggtttg agacttgcta ccagattgct cttgcaatca agaaggaggt cgaggacctt 240

gaggctggtg gtattcaggt tatccaaatc gatgaggctg ctttgagaga gggtctgcca 300

ctccgcaagt cggagcatgc tttctacttg gactgggccg tgcactcctt caggatcacc 360

aactgcggtg tccaggacac cacccagatc cacacccaca tgtgctactc caacttcaac 420

gacatcatcc agtccatcat caacatggac gccgatgtga tcaccatcga gaactcgcgg 480

tccgacgaga agcttc 496

<210> 4743
<211> 88
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316033f01b1

<400> 4743

ctgacgcgtg ggaaaaaaaa aaaaaaaaaa aagaaaaaaa aaaaaaaaaa aaaaaaaaaa 60

aaaaaaaaaa aaaataaggg aggaggtt 88

<210> 4744
<211> 97
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316033f02b1

<400> 4744

gtgccccgtg ggaaaaaaaa aaaaaaaaaa aagagaaaaa attaaaaaaa aaaaaaaaaa 60

aaaacaaaac aaagaaaggg ggtaggatat taatgag 97

<210> 4745
<211> 511
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316033f03b1

<400> 4745

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gtgctgccaa ggctgttggc aaggttcttc ctgagctgaa tggcaagctt accggtatgt 120

ctttccgggt tcccactgtg gatgtgtcag ttgttgatct cactgttaga accgagaagg 180

ctgcatcata cgatgacatc aagaaggcta tcaaggctgc atctgaggga aaactcaagg 240

ggatcatggg ttatgtcgag gaagatttgg tctccactga ctttgtcggt gacagcaggt 300

cgagcatctt tgatgccaag gctggaattg ctctgaacga ccatttcgtc aagctcgtct 360

cgtggtacga caacgagtgg ggttacagca accgcgttgt cgatctgatc cgccacatgg 420

ccaagactca gtagagcgtt ctgatttcct ttggtcagag gtgtccctgc tttgtctatg 480

cgaagaataa atgtngatgg tgtcgccaga c 511

<210> 4746
<211> 468
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316033f09b1

<400> 4746

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ttcgatccga tcagatccga gatctccatc cccgatggcg tcccggagct gcaccttcct 120

ggagatcctg ctcgccatca tcctgccgcc gctcggtgtc ttcctccact acggctgctg 180

cagcatggag ttctgcatct gcctgctgct caccatcctg ggctacatcc ccggcatcat 240

ctacgcggtc tacgtgcttg tcgcgctcgg ctcggaggag cgggatcggg actacgacac 300

ccttgcttaa taatcctgca gcaactcgta ttgtgtgatg aacctctcgc ctggtagttg 360

cgaatcgacg tcgtgtgttc ccatctggac tgtgtagcgt gccttctttc tgtcagcctg 420

taaatgctta aaccatcctc cccttcgctt tcgccgtcct gtaattct 468

<210> 4747
<211> 502
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316033f10b1

<400> 4747

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ttcgatccga tcagatccga gatctccatc cccgatggcg tcccggagct gcaccttcct 120

ggagatcctg ctcgccatca tcctgccgcc gctcggtgtc ttcctccact acggctgctg 180

cagcatggag ttctgcatct gcctgctgct caccatcctg ggctacatcc ccggcatcat 240

ctacgcggtc tacgtgcttg tcgcgctcgg ctcggaggag cgggatcggg actacgacac 300

ccttgcttaa taatcctgca gcaactcgta ttgtgtgatg aacctctcgc ctggtagttg 360

cgaatcgacg tcgtgtgttc ccatctggac tgtgtagcgt gccttctttc tgtcagcctg 420

taaatgctta aaccatcctc cccttcgctt tcgccgtcct ggaattctga tacgacccga 480

tatatttcag cagcttcgaa ga 502

<210> 4748
<211> 242
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316033f12b1

<400> 4748

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agaaataaga aagacaaact cttgtgttga caatccggaa ttggctgaat tgtgtctacc 120

ctgttttcac atcaatgata tatgtgagcc gattgaaaaa aaaaaaaaaa taaacaatat 180

acaagagtaa aacaaaagaa ccaaaaaata aaacaaaaaa aaaaaaaaat aaaaaaaacc 240

ag 242

<210> 4749
<211> 431
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316033g01b1

<400> 4749

tatcacatgt gatctgaatg ataacatcgc tgccccatgg tcgccttctt tgcaagcatc 60

ggcttcgaca tgcaataaat cagctgctcc tggtccaaca atcccagaga ggcctgcagc 120

aacatcggcg cagaacggtg tcaaccacaa cagactggag cttagcctag ccgtctgctt 180

tggcgccctt gtggccacta ttttactgca agtctagttc accttagttt gtcaaattat 240

ccagggtttg aggagagctg attggaacag tgaaccgcgg agtttttgtg cgtgcttggt 300

catcgcatca gagcattgta actggtagct attagtgtaa tttgctgtaa gccacagaat 360

gatagtgaat gcaacactga ctctaattta ttactattat gccttttgta tagcgagtag 420

tgaaggttca t 431

<210> 4750
<211> 493
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316033g02b1

<400> 4750

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agatgccggc cgaggagctg cgccacggcc ccgtcggcgc cttctcctgg ctcggcatcg 180

ccttcctcac cgtcaactcg gccatggcga tccacaggtc caaaggcgac ccgtccgcgg 240

tcggcttcgt ggccttctcc tacctcgacc tcgtactgct cttctacttc cataggaggt 300

tcgagagcgc cgcgcccggc tcaccggcga gacggaggct caaggtggcc gtctgggtcc 360

tcaccaccat gctcacggcc gttctaagct ataaggtggc ggctatcatg ccgctgccag 420

ggcagatcct cgtttgggcc atggccggcg ccgccacagc aggaggattc tacgccttct 480

tcctgttccg gga 493

<210> 4751
<211> 344
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316033g03b1

<400> 4751

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ggcggagaag ctcgacaaga tctaggaagg ggcctcccta cggtcggcag aacataaggt 120

cccaaatcaa atctgcgcta cctcgtcatc gtgcgtcttt gctgcattat cctttcatca 180

tgttggcttc tgcaatccta gttgttgggc aatcgtgatg catggcacac gcgccacggc 240

ggcagcccca ggtccgaacg gtctccttgt tggctatgtt gtgtaagctt tatttatggt 300

cgtctctctg cgcggcggaa cggtaacggt attgtggctt tcgc 344

<210> 4752
<211> 382
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316033g07b1

<400> 4752

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gtactgcttg tttacttggc attcataacc cctgtcgtgt acgacttcta caactacgag 120

atggagtccc agcaatttgc caagctcttc accatgtttt cacagaacct ggccctcttc 180

ggcgcgctgc tcttcttcct gggaatgaag aactccatcc caaggaggca ctccaagaga 240

aggaccgcaa aggctaagac aacctgaagc cagtaagggg attgtgatag gaggggaagc 300

tatcaatatg gaaactcgtc gtgttttacg catacttttg gagcagtaca tgtnccgctt 360

tttgcccata ggattcgtga gc 382

<210> 4753
<211> 424
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316033g08b1

<400> 4753

tcgtctggag taagaaagag ggagcatggg gaagaagggg gttgccctgg tggcgctgct 60

gctggtgatg gtcagcatgg cggtcgtgat gactgccgac ggccagggtg ccggcagcga 120

gttcggcaaa gcggccgaag gagccgggac aggcgccgcc accgctgctg agggcgcggg 180

agccgccgtg aagtcggcgg cccagggagc aggccaggca gctagtggcg ccggcgaagg 240

tgctggtaaa tcttactccg gcggcggccg tcgttgagcc tgccgtgtac cgcgggatcg 300

tcgccgccgt ggctgaggaa tgatacccaa ccatgccact gcgaataata aaaatcaagc 360

tgcttaatta gcatgctgtc aactgaaacc atgttaacat gccgctcgat gtatgtcacg 420

ctta 424

<210> 4754
<211> 235
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316033h01b1

<400> 4754

atgttggctg gccacgacca catggagatc ggccccatgc tccggcagtg cagagagctg 60

ctcgagggcc ttgagactat cactgactgc cgaggtagcg atgggacgac ggctaggacc 120

atcgttgagg tctacccgca catcacgcgc actgttgtgg accttccaag gctcatggac 180

agagttcttc gtgcccctga agaaagagcg cgtgaagtat cgatcttggt gacct 235

<210> 4755
<211> 453
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316033h02b1

<400> 4755

gtgtggctgc ccacgaccac atggggatcg gccccgtgct ccggcagtgc agtgagctgt 60

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tcgtcgaggc ctacccgcac atcaagtgca ctgttctgga ccttccaaag gtcatggaca 180

aagttcttct tcccgctgaa gaaggagcgg tgaagtatgt ttctggtgac ctgttccacg 240

tcgtcccacc tgctcaagcc gtgttgctca agcttgttct gcacttctgg agcgacgagg 300

attgcatcaa gatcctcgca caatgcaaga aggccgttcc tccccgagac gcgggaggga 360

aagtcatcgt catagacatt gtgcttggct cggtttctgc agggccaatg ctggaaaccc 420

agcacctcat ggatatgctc atgctcgtga tga 453

<210> 4756
<211> 348
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316033h04b1

<400> 4756

atagaaggag ctcatcaaga tccacggctt ctaagctgaa gccgcctccg ataaatgccc 60

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tgttgaaccg gtttcttgct tgatgcaagt tgtgttgtca cctggttatt atgctgctgc 180

tgtaccagca tatcagtatg gtttgtctaa gatgttgccg actaaataaa aatccgtatc 240

gtttggctga aaaaaataaa aaacgtcact atacgaaata aaaaaaaaaa aaaaaaaaaa 300

aataaaaaaa atacaaaaaa aaaaaaaaaa aaaaatagag gagaacgg 348

<210> 4757
<211> 95
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316033h06b1

<400> 4757

tcacgcgtcc gcccacgcgt ccggctattt gtcttcatgt gaggcgtcgt gttgtaaatt 60

tccatatata atgtgatgta aaacttcttg gctcc 95

<210> 4758
<211> 478
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316033h08b1

<400> 4758

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gcccgatcta agtcaagatg agtcgtggcg ggagtgctgg aggtggtcaa agttctctgg 120

gttacctgtt tggagatggt gagcctgcaa agcctgctgc agcaccagct gcgaagccag 180

cacctgctga gaaaccagca ctggcagctg ccgatgtaac caagcagatt ccagctggca 240

ttccaggtag ccgggcgaac aactactacc gtgcagatgg ccagaacacg ggcaacttcc 300

ttacggaccg tccttcaacc aaggttcatg ctgctcccgg cggaggctcg tccctgggct 360

acttgattgg cgggaagtga tctctgttaa tgatgctgcg atgaattggc ctgtatctct 420

gctatccatg tggtgaaaac tggaagtgtt tggtttcagc agtttaccac ctgcgtcg 478

<210> 4759

<211> 455
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316033h11b1

<400> 4759

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ctagcgctcc ggcgatccat cttccacctt gagccgctcc tccgcgagct gcacgcgcgc 120

tacggccccg tcatctccat ccgcctcttc cgcgccctcg tcttcgtctc cgaccgccgc 180

ctcgcccacc gcgttctcgt ccagggcggc gccacctttg ccgaccgccc gaggctcttc 240

gagccggggc tcctcttcac ctccggctcc cgcaacatca acgccgcgcc ctacgggcct 300

tactggcgcc ttgtccgccg caacctcgcc tccgaggcgc tgcacccggc ctgcgtcagc 360

cagttcgcgc ccgccaggcg ccggatgcgc gacgtgctcg tacgcgacct cagcgcgcgc 420

ggcgccggcg gcgaccccgt cgaggtgagg acgcc 455

<210> 4760
<211> 337
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316034a01b1

<400> 4760

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ttcaagtaga aactgcacgt ggatgattgc tattcgatgt ttgcttgtgg tgtggtgaag 120

tcaataatat ctcatcataa gaaataagca cacatgtttg cttaaaaaaa atacaataag 180

aaaaagaaca acaaaaccga taaaaaaaaa tggcggggac ttaaaaaaaa aaaaaagctt 240

cttgcgggag agctcaaaaa aaaagctttt tttatacgag gcctaaaatt aacactggcc 300

ggcgttttac aacaccgtaa ctgagaaaaa accgggg 337

<210> 4761
<211> 251
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316034a03b1

<400> 4761

tgttggagaa gcgcgcggag catcagaaac atcatccctc cttgccttgt tcttttatct 60

cttcctaata gtttgttggt cgaatttata ggattcttaa tcgacagatc aggaatcacc 120

tccccattca gctaagctgc atgtcttttg cttatatttt gtcctttctt gtacttacat 180

ctcatgctgt gtggatttcc tatggctcaa gtttgttgct gcgctcaggt ttcagcaatt 240

gctgcacctg c 251

<210> 4762
<211> 391
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316034a07b1

<400> 4762

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aaatctataa catcggatct tgcccaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120

aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 180

aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaggggggg gccttttaaa agaaccaaag 240

tttactcccg ggggaaggca aaaaaaaaat tttttaatag ggaaacaaaa aaaaaataaa 300

tgggcggtgt ttaaaaacgg gggaaaggga aaaacccggg ggtaaccaaa ataaatcgct 360

tggaaaaaaa tccccttttg gcaaggtgga g 391

<210> 4763
<211> 277
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316034a08b1

<400> 4763

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aaaaaaaaaa aaaaaaaaaa aaaaagaaaa aaaacaaaaa agaaaaaaaa aaagacaaaa 120

aaaaacaaaa aaaataaaaa gaaaaaaagg ggggcgaatg aagaacagtt tgtgcgcctt 180

cgttcgctgg gggaagaact gaacaatgct ggggggcccg ccgggactaa agaagtactg 240

gatctttcaa acgcaaaaaa aaaaaaaaaa attggga 277

<210> 4764
<211> 436
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316034b01b1

<400> 4764

tttacgcgtc cgcccacgcg tccggggaag agggctgtca gctttcatgg ccagcaggag 60

tccctaaaca tcgcgggata tgcatggcaa caatggaacg aagacaaggg cgaggaaatg 120

atcgatccgt tgataaaacc gtcgtgctcg attcgacagg tcctgaggtg catccacatt 180

gcattgctat gcgtgcaaga tcatgcccaa gagcgtccgg acgtgccggc ggtcatcctg 240

atgttgagca gcgacagctc cagccttccc atgccgaggg cgcccaccct gatgctccgt 300

ggccgtgctc ttgagtcgag caaatcaagc gagaacgaga ggagccactc cattggcacc 360

gtatcaatga cacagttgca tggaagatag catggcaggg gcagtatata ctgaagatat 420

catgtctttc tttttc 436

<210> 4765
<211> 287
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316034b07b1

<400> 4765

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atcatatatt tgactggact gtgtcgaggc acttagcaga gaataacaga ttgcgaccaa 120

gtggaaggac agctgggttg gtgggaccat ctgcagaacg ggctgaacgg attgcagcaa 180

gacaggatgg tcctgataga ttctgtagtt cagtggaaac atttgccaga agaactggct 240

ctggttctgg ccatcaaaaa aagagcttga tgacacgagg gctaaaa 287

<210> 4766
<211> 368
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316034b11b1

<400> 4766

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ctgtaatttc tatatcttat cagtgtaatt ataattttgc aaatgctagt gggatttgta 120

gcacgccatc actgtaaatc ctagcggttc tttatcagtg ttatattcct tgtaatccta 180

gtggttattt tactgtgatg tatttgcaac tgattgttga tgttatttca tttttaaaaa 240

acnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnacnnn nnnnnaaaaa aaaaaaaaaa 300

aaaaaataaa aaaaaaaaaa actaaaaaaa accctnaaaa aaaccaaaaa aaaaaaaggg 360

gcggccct 368

<210> 4767
<211> 235
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316034c01b1

<400> 4767

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ggtgaccacc catttgaccc ttatctcgag cttctgaaag ttcgtggcac actggcacta 180

gttggttttt ctggcgaaat cagagtgcat cctgtaacac ttaaatttgg gtgca 235

<210> 4768
<211> 81
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316034c04b1

<400> 4768

tttacgcgtc cggactagtt ctagatcgcg agccgacgtc ctttacattt tattggtaga 60

gctgagttgt gatatagaga a 81

<210> 4769

<211> 266
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316034c05b1

<400> 4769

agacgtggag gcccccgggg aaacgggggg ggaggggggc aatttacagc ggggccccgg 60

gaggtccccc agtgacccgc gagagcgggg ccgcacacac agagggacaa ctaggtcgac 120

cagagccagt ggttgcgtcc aaaacatccc cgacctgaca agaactgcgt gccactcgcc 180

agagttgcgg agagcaccgg aggatccatg gcacgttgct gatggcaata aaggagcaac 240

agctgcgcgg ggcggaagaa caaaaa 266

<210> 4770
<211> 256
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316034c06b1

<400> 4770

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gaagctgaca cactctaagt cgttgatttg tctgcgattt gaagacgtcg tagctgcatc 180

tgctctggtt aatttcagtg catttgcggc tgtttttatt gcggaaaaaa caccaccaag 240

ggggccacgt aggtgc 256

<210> 4771
<211> 367
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316034c07b1

<400> 4771

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tggtgaccac ccatttgacc cttatctcgc gcttctgaaa gttcgtggca caatggcact 180

agttggcttt cctggcgaaa tcagagtgca tcctgcaaca cttaatctgg gtgcacggac 240

tctatctggc agtgtagttg gaggcacaaa ggatacccag gagatgataa atttctgcgc 300

ggcaaacaga atatacccaa atgttgaggt gataaaaata gactacatca acgaggctct 360

cgagagg 367

<210> 4772
<211> 324
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316034c08b1

<400> 4772

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gtagctagcc tagtctaggg tttccgtagt tcggagagga gagaaaggga gagatccatg 120

gcggagacgg agtaccgctg cttcgtgggc gggctcgcct gggccaccga cgaccacaac 180

ctccagcagg ccttcagcca gtacggcgag atcctcgacg ccaagatcat caacgaccgc 240

gagacgggca ggtcccgtgg cttcggcttc gtcacgttcg gcagcgaggg agtcgatgcg 300

ccaggccatc gaagagatga acgg 324

<210> 4773
<211> 331
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316034c10b1

<400> 4773

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aggtcaaccg gttcgacttc caggagctca ccgtggatct tgtcaaggga caacaccgcg 180

caccagagtt caccaaaatc aaccccatgg cgcaggtccc aacaatcgac gatggaagat 240

tcaaactctt tgaaagtcat gccattctta ggaatctcgc ccccgtcttg cccggggttt 300

cacattactg gtattcagcc gacttattta c 331

<210> 4774

<211> 393
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316034c12b1

<400> 4774

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gatgcacgcc aagacggact cggaggtgac gagcctggct ccatcctccc cagcgcgctc 120

cccgccgcgc gcggccaaca acaaccccaa ctccggcggg ggcggtgggg tgatgcgcgg 180

ctcggtgtac tacgtgcaga gcccgtcgcg ggactcgcac gacggcgaga ccaccaccaa 240

gggggccacg ttggtgcact ccacgcccgc gctcagcccc atgggcgtnc ccccgccact 300

cccaattctt cggtgggccg naattcttct tccagccgtt tttccgcggg gggtgcccac 360

cacaaggaca agtcggcggg gcgcaagggc gcg 393

<210> 4775
<211> 471
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316034d05b1

<400> 4775

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tcgaccatgg cgtcttccaa ctccggcggc atccccatca aggcggaaca ggattcggat 120

ggctcggccc agagcacagc tgatatgact gcttttgtgc aaaatcttct agttcagatg 180

caaaccaggt tccaaactat gtcagagaac atcattacaa agatagatga aatgggtgca 240

agaatcgatg aattggagct gagcatcaat gacctcaagg ctgaaatggg cagcgatggt 300

atgaccccta ctaagtgaag gacgaagaat caaagccagc agacagctct gcctgattta 360

agagaagtag cagagcaagt cgattagtct tggttccatg tcaatatcat cagccattca 420

tcactaactt aatgcatgta tgagatgnta ttcgcactgg tatatgcatt t 471

<210> 4776
<211> 253
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsro9316034d07b1

<400> 4776

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ccgcattgct ctacgcatgg ccccgcgcat ttgggcaggc gacgaggcac actatgctcc 180

ctcaagcatc tgctgttttg tggagcacac agataggtaa gagtcccagc tgcctgctcg 240

ctcagcatgc tgt 253

<210> 4777
<211> 275
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316034d10b1

<400> 4777

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caaagatgcc ggccgaggag ctgcgccacg gccccgtcgg cgccttctcc tggctcggca 120

tcgccttcct caccgtcaac tcggccatgg cgatccacag gtccaaaggc gacccgtccg 180

cggtcggctt cgtggccttc tcctacctcg acctcgtact gctcttctac ttccatagga 240

ggttcgagag cgccgcgccc ggctcaccgg cgaga 275

<210> 4778
<211> 387
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316034d12b1

<400> 4778

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atcatggttg ttgggctgat ttttatcaac ctatgcacct gcatgccaag aaatgtggcg 120

aaccatgaat ctcacgatac agtggtgcca cagaaggaaa tgcgcagtct gatgtctggc 180

actgctggaa ggaaccggcc tccgagcaat gatcaccagt gcccacttgg aacctaccct 240

aattgccaag ggatgtccca gaatactcaa gaagcagctc aagatgttgg aggaaactaa 300

ggcaaactaa gggattatga gacggaatga atcccccagt ttatattgct tttacttnca 360

cgacggagtc atttggcatg aaatatg 387

<210> 4779
<211> 274
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316034e01b1

<400> 4779

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gacaccatcg acaatgtcaa ggccacgatc caggacaagg agggcatccc cccggaccag 120

caacgcctta tctttgctgg caagcagctg gaggatggtc gcacccttgc tgactacaac 180

atccagaagg agtccaccct tcaccttgtc ctccgtctta ggggaggcat gcagatcttc 240

gtcaagaccc tcaccggcaa gaccatcacg cttg 274

<210> 4780
<211> 281
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316034e02b1

<400> 4780

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ccaagccgcc tcctcctggt caggctgcta atgagtctcg tggtggtggt ccaccctccc 120

gtggaggata tgggcgcggt gaacgtggct caggcagagg tggacgagga gggtatggtc 180

agaatcgcga ctacggcagt gaagacacaa atggctacag gggaggttat ggtgccagaa 240

ctggaggtga ggaaggcgcc caggatagag agagggcccc t 281

<210> 4781
<211> 327
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316034e06b1

<400> 4781

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agattgggaa gcaccccgtt gtcacctttg gttagaatat gcttatgtgc aagcttagat 120

gcaaaaaagc cgcatcctga gtctcttttg tagtcgaccc tttccctagt tgactgtcga 180

tgaaccgttg tcatttatga gtccgatgaa ccgttgtctt tatcttttga caatttttat 240

gtcgttgcta ccatttctga atgtgaacag catggatctg tgtccagttt gctttaatct 300

gtgcactcga ttgttttttc cctctta 327

<210> 4782
<211> 438
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316034e07b1

<400> 4782

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accatggcgg acgtcgacgt tgacacggag gtggccgtcg gcgcgcagcc gaagaagagg 120

acgttccgca agttcagcta tcgcggcgtg gatctcgatg ccctcctcga catgttcacc 180

gacgaccttg tccagatgtt ccccgctcgc gcccgcagaa ggttcaagag gggtctcaag 240

aggaagccca tggcgctcgt caagaagctg cgcaaggcga aaaaggacgc tcctgctggt 300

gagaagcctg agccagtgag gacacatctt cgtaacatga tcattgtccc tgagatgatt 360

ggcagcctta tcggtgtcta caatggcaag acctttaacc aggttgagat taagcctgag 420

atgattggcc attacctt 438

<210> 4783
<211> 426
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316034e08b1

<400> 4783

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accatggcgg acgtcgacgt tgacacggag gtggccgccg gcgcgcagcc gaagaagagg 120

acgttccgca agttcagcta tcgcggcgtg gatctcgatg ccctcctcga catgtccacc 180

gacgaccttg tccagatgtt ccccgctcgc gcccgcagaa ggttcaagag gggtctcaag 240

aggaagccca tggcgctcgt caagaagctg cgcaaggcga aaaaggacgc tcctgctggt 300

gagaagcctg agccagtgag gacacatctt cgtaacatga tcattgtccc tgagatgatt 360

ggcagcctta ttcggtgtct acaatggcaa gaccttcacc aggttgagat aagcctgaga 420

tgattg 426

<210> 4784
<211> 395
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316034e09b1

<400> 4784

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ggttgtgaaa ttgacaatga gaagatggaa ctcatgctgt cccaagtgaa gggcaaggac 120

atcaccgagc tcttggctgc tggtagggag aagtttgctg cggttccatc tggtggtggt 180

ggtgtggctg tttcagctgc tgcccctgct gctggaggtg ctgctgcccc tgcagctgag 240

tcaaagaaag aagagaaggt cgtggagaag gaagagagtg atgatgacat gggcttcagt 300

ctgttcgact aagttgtggg gcatcttgtg tctgaagtat ctatacttgg ccaggaaact 360

agagtcaatg atgttttagc ccttatttag ctgag 395

<210> 4785
<211> 489
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316034e11b1

<400> 4785

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atggcggtcg gcaagaacaa gcgcatctcc aaggggagga agggtagcaa aaagaaggcc 120

gtcgatccgt tcaccaagaa gcagtggtat gacatcaagg cgccgctgct gttcaccagc 180

cgcaacgtcg gcaagaccct cgtgtccagg acacagggta ccaagattgc ctcagagggt 240

ctgaagcaca gggtgttcga agtatctcta gctgatcttc agaacgatga ggaccaggcc 300

tacaggaaga tcagactccg tgctgaggat gtgcaaggga tgaatgtcct cacaaacttc 360

tggggcatgg acttcaccac tgacaagctc aggtctcttg tgaggaagtg gcagacactc 420

attgaggctc agtggatgtg aagaccactg acaactacat ngctcgcatg ttcaccattg 480

gcttcacga 489

<210> 4786
<211> 487
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316034f01b1

<400> 4786

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cggtcacacc aagcaaggat gactacttca aggcgtcttg ctgacaggaa gagtgcgaag 120

tttcagaaga acgtcacaaa gaggggctca gtgcctgaaa ctactgtgaa gaaggggaat 180

gactatcctg ttggacctat cgcgcttgga ttcttcatct ttgaggacat aggatcatcc 240

ttgtttcaga ttatcaggac ggatactagt ggtgggacgg cttaatatca agctgaaaac 300

aagacgatca ttatcagaga tttattttat ccatgtgtct gggacgcaat atcatatctg 360

taccctgtag caaacttcaa ccctgatgat gttatgtaga gatttaaatc ttgtgcagtg 420

tgcgattacc tgctgatact aaaaacctag tgtaaactag aaactaaatg gtgcaagtac 480

gaacttt 487

<210> 4787
<211> 225
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316034f04b1

<400> 4787

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aacaaaataa ttatgccaca atttgatcaa ttttcatttt ttaatcaagt ttcatggttt 120

ctttttttttt ttataaattt ttatttttttt attacttatt ttttttttacc aaaagtttgt 180

tacaacttaa aatttagaaa aaaaaaaata atagttaata ataat 225

<210> 4788
<211> 359
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316034f09b1

<400> 4788

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ggaggaagaa gcgaaagtat gagctcggcc gccagccagc caacactaag ctttcaagca 180

acaagacagt gaggagggtc cgtgttcgcg gaggtaacgt gaagtggagg gctctccgtc 240

ttgacactgg taacttctca tggggtagtg agtgctgtga cccgcaagac ccgtctctgg 300

atgtggttta caattcgtca aacaatgagc ttgtgaggac tcagaccctt gtcaagaat 359

<210> 4789
<211> 388
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316034f12b1

<400> 4789

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cttcgccacc gacgacttcc gcatgtacag cttcaaggtc aacccatgct cccgcgccta 120

cacgcacgac tggaccgagt gcccccttcgc ccacccgggc gagaacgcgc gccgccgcga 180

cccgcgccgc gtgccctact cctgcgtccc ctgcccggac ttccgccgcg acccgcaggc 240

atgccgcaag gggcgacgcc tgcgagtacg cgcacggcgt cttcgagtca tggctccacc 300

cggcgcaata ccgcaccagg ctctgcagga cgaggtccga tgcccccgcc ggatctgctt 360

tttcgcgcac ggcgccgnca gctcgggg 388

<210> 4790
<211> 301

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316034g01b1

<400> 4790

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tctccgacgt gctcatgagc gggcccgtct gccatggagc ccgcccaggg atcggtggtg 180

gagctctcga tcctaatcgt ccgacggata cagtgccgcc tggtgacccc tacaccggtc 240

gtctgtgcag cagcttgtac aggtgctcac caagtgatca gacctgatac ctcgagaaac 300

a 301

<210> 4791
<211> 435
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316034g04b1

<400> 4791

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cgtgacgagt ggaggaggca ccctatggtg gggaaccagc tgcgccacgc cactccgggg 120

ctaggcatcg ccatcgtcgc ctttgggatc taccttgtcg gggaggccgc ctacaaccgt 180

ctataccgac ccgccggaga caaccaccac tagatcttcc ccagaggtaa agtagatgga 240

gcaaactgta ccgaagcacc aatgttgatc ttttccggat tgatctcata acgcctgcat 300

gaccaccttg taattcgcga tcaggagacg tgctggtggt tcaactaggg ttcctggaac 360

gcgtgttctt taaatctgat actattttga gggtatactt ggcatctgga catggcattg 420

attatatttt ttttg 435

<210> 4792
<211> 462
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316034g05b1

<400> 4792

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actcctccga cgtcttctcc aagagcaaga ggctccggtc cctcagcttc cggcccatgc 120

ggtccatgag cgtgcgccgc gtcctggcgc cgctctccga cgtccccgtc ggcaccgacg 180

acgactctcc tttgccttcg tcggcttctt cgtggtcgtc gcgccgctgg ggtagccgca 240

aagaggattg agcagcttgg agtcagcggc tggttagttc tgacaccaaa tgggtagata 300

ctagcgagct tgataattct gttctgaact gtcctgggtt tgttatcggg gtttgaccgt 360

ttgagattta agaatggtat ttgttaaaaa aactcaacat gtaaatcagg ttgggtgggg 420

ccttgtacat atgttcattg atttgatcgg gatgatgaat ta 462

<210> 4793
<211> 321
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316034g12b1

<400> 4793

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ctgctccacc gacgacttga cgatgtacag cttcagggtg aacccatgct ggcgcgcata 120

cacgcacgac tggaccgaga gccccttcgc ccacccgggc gagaacgagc gccagttcga 180

tccgcgccga gtgacatact cctgcgtgcc atgcccggac tttcgccaaa accaataggc 240

atgccgcaag ggcgacttct gcaagtacgc gcacagcgta ttagagtcat ggctacaccc 300

cgtgcaatac cgtaccaagc t 321

<210> 4794
<211> 154
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316034h02b1

<400> 4794

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actttttct ttccgtaaat ttggaattat tttc 154

<210> 4795
<211> 349
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316034h03b1

<400> 4795

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gagcggcgcc accgtgcagg ccaccgccgt cgttcttggc gtcgggcctg cgacggtgca 180

gttcgaggag gccgccgagt ccggtgaggc cgcccatggc tgcagctgcg gcgccagctg 240

caagtgcgac ccttgcaact gctaaggtgc aagcggtcga tgcgcttgtg gtgattgtgc 300

cgtgtgtgat cgagtgcgaa taatgaaacc ggccctggcc gtctggttg 349

<210> 4796
<211> 64
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316034h04b1

<400> 4796

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cgac 64

<210> 4797
<211> 138
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316034h06b1

<400> 4797

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tccaccaccc aaggggatca aggtttgtag aatattgttg tttgttcaaa ggctataata 120

aaaagtgttt ctcttttt 138

<210> 4798
<211> 385
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316034h11b1

<400> 4798

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aacacccatc ttttcacgaa cacgctcgct ttaccccccg ggtacgttga tccacagtac 120

caggccacga tgcagccaac gaccaagagt gacgtgtaca gctttggagt ggtgctgctg 180

gagctagtca ccgggaaacc agccattctt tcggacccag agcccacaag catcgtccaa 240

tgggcaaggc agcggctggc gcgcggcaac atggagggca gtggtggacg cgcgaatgca 300

gggtggttat gatatcaagg ncgtgtggaa ggtggcggat attgcactca aatgcaccgc 360

aaggggtcaa cacatcggcc cacca 385

<210> 4799
<211> 317
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316039a01b1

<400> 4799

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gaaagccatt ctgaataaac tgaccccaca aaactttgac atgctttttg aacaagtgaa 120

agaggcgaac attgacaatg tgtcaactct tactggggtg atttcacaga tatttgacaa 180

agcattgatg gaaccaactt tctgtgaaat gtacgccaac tactgatccc atttgtctgg 240

tgcactgtca gactttagtg aggacaatga aatgattaca ttcatgagac tgcttttgac 300

cagtgccaaa aggagtt 317

<210> 4800
<211> 179
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316039a02b1

<400> 4800

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cgagccacac cgaacaagcg gacgccacaa aacccggaca cgcgactggg agacgggcaa 120

gaggagaaca tcgaccaagg gacaagccca accggggaga caccacagaa agaccaaca 179

<210> 4801
<211> 122
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316039a04b1

<400> 4801

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gatgcactgg cgcctaccgc gcccttgcac ctggcacatc cattgccccc ccctgctcat 120

tc 122

<210> 4802
<211> 501
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316039a07b1

<400> 4802

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cggtgaaacc tgaaaccaga gtcctgaaag caatgcagct gatgacagaa aagcgtatca 120

ggcacatccc ggtgatcagc ggcacggaga tgatggggat ggtctccatc ggcgacgtgg 180

ttcgcgcggt ggtcagcgag cacaatgagg agctgaaccg gctcaacgcc tacatccagg 240

gtgggtacta ggacccagcc gttttgcagg gcgtcccttt gatgtgaact ctacaataac 300

gaccagggtg atgatgacga aataggccgt gtttcttcgc ggacaatggc tgttgaactt 360

gaatctgcgt gtgtgatgtt ttcctgctta tttagtgcat atttccgtgg ccgcgcgccg 420

ccgggtgctt gtttttggag cgtatagacc atccatctta gctgatggtg atagacgcat 480

aataaagctt gggagtgacc c 501

<210> 4803

<211> 303
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316039a08b1

<400> 4803

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catgtatagc ttctggtagc tgcagccgat gattctttca tatgttgttg accgatctgc 180

tcaccgccgt ttgctatgta taattcaaag agctaattga gtgctgtact gttcactcct 240

actcaaggtt gagtaagagt aaccccgcgt acattttagt gaactataca ataactacca 300

aag 303

<210> 4804
<211> 100
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316039a09b1

<400> 4804

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acacccaaaa aacaaaaaaa aaacccaaaa actccacccc 100

<210> 4805
<211> 95
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316039a10b1

<400> 4805

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aaaaaaaaaa aaaaataatt ataactctct tctac 95

<210> 4806
<211> 474
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316039b01b1

<400> 4806

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ctgaaagctg gagcagtctg tgcatctgcg aagcagctcg aaacaaagaa atgaatcctt 120

gccaggaact caaaagacgc agaacatgtc ggtcgtagtc tagttatacc gaatttagca 180

acaaactgaa cgagcaggtg atgacggtaa accggatgct taggattgag aggtgtttca 240

gtctggaggc gtggagtgaa gtaggaagag tgtatagcaa cagtacataa tctcagagca 300

gctgttaatg ttaattcatc catcctatta ttgattgatt ccaagatagt gtagtacata 360

tggaataaat tcggctgctc ttgccatcat ctttattgtt gtcagctccg gtagaaaaga 420

tcgtgttaac aaaaaggcat gaaattatgg aataagttat tggttgttgc catc 474

<210> 4807
<211> 81
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316039b02b1

<400> 4807

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cgaacgctgg cgcagtgtcc g 81

<210> 4808
<211> 390
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316039b03b1

<400> 4808

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tcagcaagta aggatgtgct tgcacttgct tccctcgtgg ttgatctatc cagcattgaa 180

cccggtagca cagtgactgt caagtggcgt ggaaagccag ccttcatacg gctactgaca 240

gactatgaca tcaagctggc caacagccta gatgctgcat gcctgcacca cccagatcaa 300

gacactgatc gtgtgaagaa cccatagtga ctgacggtta ttggagtctg cactcatctt 360

ggtggcattc ccctttccaa ctctggagac 390

<210> 4809
<211> 146
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316039b04b1

<400> 4809

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atatgacgtg ggaaacatgt gataggttcg gtgccatacc gagctacttg gaaatgctgc 120

ctggactctt acattagact tgaaca 146

<210> 4810
<211> 207
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316039b05b1

<400> 4810

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tactcctctt ttatgcatgt ttatatgccc ttttgatgaa caaaaaaaaa aaaaaaaaaa 120

aaaaaaaaaa gaaaaaaaaa aaaaaaaaaa aaaaaaataa aataaaaaaa ataaccaaaa 180

taaaataaaa tggggcggac ctttaaa 207

<210> 4811
<211> 135
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316039b06b1

<400> 4811

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ctactcctct ttcatgcatg tatatatgcc cttttgctgg ataaacaata aaacctaata 120

cacacactgc ttaaa 135

<210> 4812
<211> 499
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316039b07b1

<400> 4812

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cccttattat ggcaccgtgt cagctggaac ctacaactgt ttcatagcag ggcggctgga 180

ccctcaacac cgactacagc atgctgtgtg tacggcaaga agttcaacgc tgacgatgag 240

atcgtattca aggactgcgt ccgacgcgca cgatgtggtc gaggtcagca aggccggcta 300

cgactcctgc agcatcgacg gcgccatcaa caccttcaaa tctggcaacg acgtcatccc 360

cctcagcgcc accggcaccc gctacttcat ctgcggcatc actggccact gcagccccac 420

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acccatgcca gccgcaagt 499

<210> 4813
<211> 365
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316039b08b1

<400> 4813

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gcgcctgctg gatgcaccct tgtgaatggg gggcgatatg atcaccgata ttgccgtggc 120

cagcatgtgt ggcaccgagt tggcagtaac ctactgcgta aacacacaga gcagaacacc 180

cctatgctcc ttaagcacta ggtgcaggtg gcctacgaaa aacagcgtta tatatgagag 240

gccgttcaag ctcctatcaa ccgtcccaga attgctgcct tgataaactg acgcctcaca 300

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<210> 4814

<211> 107
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316039b09b1

<400> 4814

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aaaaaaaaaa ccacaaggat caacaaaccc tacaacgaga gcggcaa 107

<210> 4815
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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316039b10b1

<400> 4815

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tactgccaca ggaagaccac gaggaggagg cagccgatca gccaggcgag gcacacc 117

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<211> 472
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316039c01b1

<400> 4816

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tgatgacttc catttctcgt tttggttagg agttcccacg atgggatggt tacaaactta 180

aagtccaagt gactataaaa gaaacaacaa aaacatagta aaatgtataa aattacgcag 240

ctttcccccc accactggtg gggggttttg gagctgaccc cttaggaaaa caattcttcg 300

attgtttgct agatacgtta tgagacggac ctgtttaagg ggccgttcca tttctgaagc 360

taacaaactt taagtcgttg atttgcctgc gatttgaaga cgtcgtagct gcatctgctc 420

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<211> 408
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316039c02b1

<400> 4817

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gccaaatcgg ggcgagcgag gatcgtcggc gtcgccgcca gacctctgcg gaggcgcctg 180

tccctctgcc gggcgacggg gatacgccgc ggcacggccg tcggcccccc gccccgcgcg 240

agtcgctgcc gtaggatatg cttggggaga tccttctcct tctggcaccg cagccgtcgt 300

ccggcctgct ggcgcccttg gtctccaggc gctggcgagg cctttccacc gaccccaact 360

tcatacgtca gtttcaagcc cgccgcagga gctggaagcc gcccctgc 408

<210> 4818
<211> 95
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316039c03b1

<400> 4818

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cgaaagcctg ccagggtatg ggttggccgc gcagt 95

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<211> 448
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316039c04b1

<400> 4819

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gctgaccgag gagcggtggc gcaccccgct tcatccacca gcctcgctag gttgggatgc 120

caagcttaaa gaatcgagca gatcctgcgc cttttctgcc tgcagtgatg cattgctctg 180

ccttcttcta atacaccatc tgtcccaaaa ataaatgtct caaacttaat acaactttgt 240

actagcccta atacaaagtt gagacactta tttctagact gacggagtag tcagtattgg 300

cgtccgcttg tatattatat taagtagaaa cgaaatgacc ttagaaaaag gcatcaaaat 360

gcaacccgat gtttagtgtg agttgccttt gaagatatgt tgtgcccagt gcgctggaca 420

agaaatgcta gtagaatgca ccctcgtt 448

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<211> 174
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316039c05b1

<400> 4820

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cccaagatca tcattacata ttggagaagg tctgctgctt tagttggtgg atgagaagaa 120

ccaaaaccgg tatttttcgt tgagggctcc aaaaaagaaa gaataacaag tagg 174

<210> 4821
<211> 359
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316039c06b1

<400> 4821

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tgccggaggc cgaacgattg gcaaaaaggt cgccgagaag attctgaaca aaagagagcc 120

ggagctctac aagcggggag ggaccctgtc ccagctgctg cagaatggtc gccccccact 180

aaaccaagtt gctaccaact ggtcctcgga agagaaggac cactgcctgc aggagaccga 240

gaagtcgttc gcctactcag gggatctccc acgccagatt tttacctgaa ccaaacacga 300

tctgtgatac gtttcacgtt aaacattgtg aatacccagc cctgtccgag cacccgggg 359

<210> 4822
<211> 98
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316039c08b1

<400> 4822

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aagggcggcc agaataagaa ggaaccaaag cttacaaa 98

<210> 4823
<211> 480
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316039c09b1

<400> 4823

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ctcctcgaaa ttctagcttc agcatcagaa tgcagagctt ccaagtcgcc caggcgaaga 180

ggaatacatt gagaggctag tccgtcacca gaggttttct attgacaaac ccaagtatgg 240

tgatccacat gtcaaggcga acgccctgct gcaatcccac tttgcaaggc acacggtggt 300

agggaacctg gcagccgacc agcgcgagat cctcctttct gcccataggc tgctcctggc 360

aatggttgat gtcatatcta gcagtggatg gctcactctg gctctgaatg caatggagct 420

gagccagatg gtgactcaag gcatgtggga tcgtgattct gtgctgctcc aacttccaca 480

<210> 4824
<211> 79
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316039c10b1

<400> 4824

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tcatcagatt tactaccat 79

<210> 4825
<211> 394
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316039c11b1

<400> 4825

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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120

aaaaaaaaaa agaaaaatta aaaaaagtaa aaaaaaaaaa agaaaaaata attgggggg 180

gcggttttat aggttcaaag tttacttcgg ggtgtttgga aggtattaac tttttttgg 240

ggggacctaa attaatttaa tgggggtgg ttttaaaagg gggagacggg aaaaacctgg 300

gggttaccaa atttaatggg tttgaaagaa ttccccttt tgcaagttgg ggaaataaat 360

aaaggggccg aacgtttggc cttttcaaaa attt 394

<210> 4826
<211> 307
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316039d01b1

<400> 4826

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ttaagccaga gactggctag aagagggcgg ctggaagcgt gttgaagacc cctgtttctg 120

acaagaaggc caagatcgca acaccgtcag gccagaagac aggctacaag aagggagctg 180

tccatgtggc gactcctcac ccggccaaga aggcaggcaa gaccccggct accaccgaga 240

agtcgcccaa gtctggatgt gtggtcgcgt gcatgtcgtg catgaagaca ttcaacagcg 300

agggcgc 307

<210> 4827
<211> 355
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316039d02b1

<400> 4827

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accagcgttt gctgattagg gtttagcttg ccatgacgat gtcctcatta tgtaatgcta 180

tgtaaggaga atgtttagat gcgtactcct gggctgtggc atgctagaga tgcatctgtt 240

tgactatcaa cgaagaaaag ctttaaaacc ctcgactgct tttctttctt ggactttcac 300

atcatgtgta tacagtcatc atgatggctt gctattaatc gcgttttgtt ttgaa 355

<210> 4828
<211> 268
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316039d05b1

<400> 4828

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catcacttct gagaagaaag ggccgctgtc aaagctgtcc gaatctatgg cgaggcctac 180

agccccgggc tcttcaccaa gcttctggaa aagaagagcg acaactacct aatcccctcc 240

gtgggatctg gtggaatgag gtgatcca 268

<210> 4829
<211> 206
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316039d08b1

<400> 4829

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ggtcaaatga accgggtgcg caaaggagag ccgccccgct ccatgtgtaa gaccaaggga 120

gcatcagggc aggcagcatg ctatgacgct attggccgta ctgccatgga agccatgaca 180

tggggtgtgg cgacaattgc gacatg 206

<210> 4830
<211> 499
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316039d09b1

<400> 4830

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acttcagcta cactaccatt gtacggttca gttcaatgct aactcagaag accaagatga 120

aaggtgtggg tgaaattcta gctgcagcat cagaatgcag agcttgcaag tggcccaggc 180

gaagaggaat agattgagag gctagggcgt caccagaggt tttctattga catacccaag 240

gttggtgctc cacatgtcaa ggcgaacgcc ctgctgcaat cccactttgt aaggcacacg 300

gtggtaggga acctggcagc cgtccagcgc gagatcctac tttctgccca taggctggtc 360

ctggcaatgg acgatgtcat atctagcagt ggatggctca ctctggttct gaatgcaatg 420

gagctgagcc agatggagac tcaaggcatg tgggatcgtg aatctgagct gctccaactt 480

cacacttgac cagggacct 499

<210> 4831
<211> 391
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316039d10b1

<400> 4831

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atcatcatgc tcaagaacgc atgcgacaag tcggaggaca agaagaagag gaagaggagg 180

tcctgaacgt gttgtcctct gcacatcgta gataccatca ccgtcgccgg cgctactggt 240

tccacctcca ctgctaagta cttgtaggaa ttaagctggc gcagtaactt gtcgccgtgc 300

caccttgtt aattcgcgat ctgggtcgtg tgaacctcgt gtgagttcgc tgctgctgat 360

gaagcttttg cagaccctgt ctgcgttccg g 391

<210> 4832
<211> 87
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316039d11b1

<400> 4832

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cccgatagca ggacctaatg ggtactg 87

<210> 4833
<211> 402
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316039e02b1

<400> 4833

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aaggaggaga atgtcaccct tggaccggct gtccgagagg gagagcatgt ctttggcggt 180

gcttacatct ttgcatcctt caatgacact ttcatccatg tgactgactt gtccgggagg 240

gaaaccctgg tgcggatcac tggtggaatg aagggcaagg ctgatcgcga tgagtcttca 300

ccctatgctg ctatgcttgc atctcaagat gttgctacac gttgcaagga gcttggtatt 360

accgcactgc acattaagct tcgggccact ggaggcaaca ag 402

<210> 4834
<211> 76
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316039e03b1

<400> 4834

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tctccctggt ttaact 76

<210> 4835
<211> 497
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316039e04b1

<400> 4835

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gagcaccaag tgggcgctga ggctggacaa ggtttacctg acgattgatc tgcccgacgc 180

caaggatgtg aagctcaact tgaggcctga tggccatttc aacttctagg caaaggcccc 240

tgctgatggc atgcagtatg agcttgacct tgagctcttt gatgctgtca gcgttgagga 300

gagccaagcg gctgatgccc cgagggctat atgctacctt gtcaagaaag ctgaggccaa 360

gtggtggcct aggctgctca agaaggaatg caggccgcct gtgttcctca aggctgactg 420

ggataaatgg caagatgagg atgatgaaga cgctggattt ggtgactttg gtgatatgga 480

cttctcgaag ctggaca 497

<210> 4836
<211> 251
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316039e05b1

<400> 4836

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aatcttcgtc aatccttaga tacattcgct ggaaaacccc attacgcatg ttttgaccac 180

acaacccggc ggtgggacta gaatgcacac ccttgttgct taacatgaga tctttaaaac 240

tgatataaaa a 251

<210> 4837
<211> 344
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316039e06b1

<400> 4837

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tcgccgatgg gttgcctgca ggcgagcctg ataccggtgt cgtcgaccag gcacggagga 180

ggaggcttgc ctggagcgta acttagctat aatgctcggt cgatcctgct gcttcttggg 240

gggcaaggaa aaagattaca ccgaggctta ctctctacga ccgcaccagg ctgagccaga 300

ttatttccgg tgacgcacac catggatccc cagacatttg tgag 344

<210> 4838
<211> 112
<212> DNA
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<223> Clone ID: uC-tsro9316039e07b1

<400> 4838

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gagaaaacca gggggggccc caatctctga ctccgccgca cgccgcacgc ac 112

<210> 4839
<211> 344
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316039e08b1

<400> 4839

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cttaaacctg atggtggatt ctctttcttt gccactgctg gaactgatgg caactactat 240

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ggtgttaggt ccatattcta gaatttggaa aaagcctacg tcca 344

<210> 4840
<211> 375
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316039e09b1

<400> 4840

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tgccctttg tcaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120

aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 180

aaaaaaaaaa aaaaaaaaaa aaaaaggggg gggccctttt aaaaaaccaa attttacctc 240

ccggggcttg aaaaaaaaaa tttttttaa aggggaacaa aaaaaaaata aactggccgg 300

tttttaaaaa agttgaaacg ggaaaaaccc ggggtttccc aaattaaaaa gctttaaaaa 360

aaatcccctt tttcc 375

<210> 4841
<211> 458
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316039e12b1

<400> 4841

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ctgcctgtag cgtagctgag ctatagtgct cggtcgatct gctgcttctt gggggcgagg 240

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gtgacgcaca ccatggatcc ccagacattt gtgaggctct caatcgggca gcttggcctg 360

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ccggttcagt tagctccggt gccctctgaa aattcttc 458

<210> 4842
<211> 164
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316039f01b1

<400> 4842

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gacaagagca ccatccatga tgtcgagctt gatggaggtt ccac 164

<210> 4843
<211> 84
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsro9316039f04b1

<400> 4843

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cgccaagatg tatcgcagtg taga 84

<210> 4844
<211> 303
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316039f05b1

<400> 4844

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gttggtgaaa actatgcctt tgtcacattt tgctcctgtt aagggaaagt gctactgttg 180

tgagttttgt tccccagttt gagatgaatt tcccttgtcc tgaaataaaa caaatacaga 240

agagaatgat aataactaag agtaggatga taattaaaca gaaaaaatca atcaactgca 300

ctg 303

<210> 4845
<211> 294
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316039f08b1

<400> 4845

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gccgcagagg acccaagctc gcggccgggg gccagcacca aagaagaacc gaaagggggc 180

ccccgaaagc caagcaaacg gccgcaactt aaaaaccccg cgaacgggga aaacccgggg 240

ggcccccacc caaaccgcca gaggaaaaaa ccccccttgg ccacaggggg aaaa 294

<210> 4846

<211> 507
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316039f09b1

<400> 4846

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tctgaggagg ttgatgtcct gaaccgctac ttcggccacc tgaagtctgg tggcaatgct 180

tatgtgatcg gagacccagc gaagcctggc cagaagtggc acatctacta tgccaccgag 240

caacctgagc agcccatggt caccctggag atgtgcatga ctgggctgga caagaagaag 300

gcctctgtct tcttcaagac tcaagctgat ggccacgttt cctgtgccaa ggagatgacc 360

aagctctctg gaatctctga cattatccct gagatggagg tctgtgactt cgacttcgag 420

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cccgaggacg gcttcagcta cgcgagc 507

<210> 4847
<211> 424
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316039f11b1

<400> 4847

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aggggcgaga agggcttcat cgagggatgc ctcgccgcac tgtgctgctg ctggatctgc 180

gagatgtgct gcgactaacc ggccggccgg cgaggccgct gctggctggc acaagacctc 240

ggtgctatag tacccacgag gaggaggagc gtatgcgtat acagagagag aattgttctt 300

aatttcagtg cccgttgttt taggctctat acagtatata ctcctaagtt gatgcatgca 360

tgatcagtac cagtgtgaga tatcgattca tgtatccgtg ttgggtgcga tattcatgca 420

cctc 424

<210> 4848

<211> 62
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316039g01b1

<400> 4848

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ct 62

<210> 4849
<211> 464
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316039g02b1

<400> 4849

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accgtgcgct gccgcagggg gaggtgaagg cggaggagtt ctgggcgtgg ctggggcagt 180

tcgacgcgga ccacgacggc cggatcagcc gggaggagct gcagcgcgcg ctgcggagcc 240

tcaacctgtg gttcgcgtcg tggaaggcac ggggaggggt gcaagccgcg gacgccaacc 300

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tcggcggcaa gatcacccag ctcggctcct actgataagc tgggcatgta ttaacctgct 420

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<223> Clone ID: uC-tsro9316039g03b1

<400> 4850

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gggctgttga tgctgcgatg ggtccccgta ccattcagca tgagactgtt gtcggtgagg 300

ctgctgcatc tatgactcca atggacaatg ctgctgatga caagtgtggc aacccttcca 360

aggccttcca agattgcatc aaccactacg gaagcgatat cagcaagtgc cagttctacc 420

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<211> 427
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316039g04b1

<400> 4851

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atgagcggta ttgggtccac cattgctcag ggcatggctt tcagttctgg aagtgccatg 240

gcccacaggg ctgatgatgc tgcgatgggt ccccgtacca ttcagcatga gactgtcgtc 300

agtgaggctg ctgcatctat gactccaatg gactatgctg ctgatgacat gtgtggcaac 360

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atctacc 427

<210> 4852
<211> 447
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<223> Clone ID: uC-tsro9316039g06b1

<400> 4852

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gcgccggcga tgtatcctag ggcgaccagg aaggcctccg tggacggccg ggcgtggcga 180

gtgctgcgga tggaggcgct ctgggcgcgg aaggggagcg cggcgcaaag gcttcgtctg 240

ctcaagacgc tgcggcacag gcgtatgggc ggcctcggcc tcggccacgg cggccggcgc 300

aacgaccggc tgcactacgg ctagcgggag ttctacatcg acgagacgcc ggcgtttcgg 360

ttccgcaccc catccgcgcg cgtgctccgg ttcatcccct gcatcgcgcc ctccagcccg 420

gacacccccc gcgtctacgg tgacgac 447

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<211> 468
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<223> Clone ID: uC-tsro9316039g07b1

<400> 4853

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caaactctta taagaagtga gacttctgta tccgtatcag acattcagta ggcatctgat 300

gacgatggtt tgtgcgatag ttccatgttt ttctcagtgg tagttgatct gagatttctt 360

tgtcgagtgc ttgtcaaaac cgaacgaatg tgaaggttaa tcggtttctt taccattctg 420

gagtgtggtg ttcattagaa aaatctaaag aaaaatccac tttttgct 468

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<211> 289
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316039g08b1

<400> 4854

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cgggggccag atcagcggcg gcgcgcacgg gccccagcgg gacaagggaa atggcgcgcg 180

caggaactca gccgagcaag tgcacgccca tgacatgcca gaggcgaaca ctaacgatgc 240

tctccgactg ctaccagaag aagaacgatc tatgcacggt gagagatac 289

<210> 4855
<211> 210
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316039g09b1

<400> 4855

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tctaacgaca gtggctgttg ttgtgagaag gaagccccag tacgtgtact aatgcgacag 180

aaatgggggg gggcgccttg tgggttgcct 210

<210> 4856
<211> 453
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316039g10b1

<400> 4856

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aagctaacga cgtggcagtg tgtgagtagg aagcataagt acgtgtacta agcgacagcg 180

attgacagta gtgactagtg aatgagtgga tctgtgaatc atttttgtag atgtagagtc 240

ctggaatcag gattatgcaa ctatgattgg gtgattggta cactgattgc cagcaaaaaa 300

aatgtgatga aaacttttgg ccggtggtct taacaagtag aagtagtata gtatattttt 360

gacagttggt ggtctaacta gtaaatttac cagttgcccc acagctgtcg gattatgagt 420

cggccggcgg cggagccgtc catccgggta aaa 453

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<211> 347
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316039g11b1

<400> 4857

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atacacgacc cgctgcgtac tacgccggtc gccaatgtga ccttccgcca ccctttcacg 240

tactagcacc agacggagct cttcgttgcc gcctagggta tttacacctg acagttcgtc 300

tactgcggac gccgatccac cctctccgtt agtcacatgc tcccgct 347

<210> 4858
<211> 492
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316039g12b1

<400> 4858

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gttgatgaga acaagggttg cacattcaat agccgttcca gggttgctgt ttttaaggac 180

actgaaaaag atcgtagtga tcctgactac gatcgtaatt acaaaaggta tgttaggccc 240

cccgtgcctg actatggtgt gagcccaggc gccttcaatt ttgccgtgcc tcagtttgtg 300

cagtatggtg ttggttatat gcagtctcct agcatgccga gaaaccaacc ttctgtgtac 360

tttggtcaac ctgatttatc gatgggatct tctggaactg ctgtttaccc acagtggcct 420

accccagcaa tgatgtaccc ccattgctat gacaatcttg gccatgtgat ttctcatgtt 480

ccggtgtacc ag 492

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<223> Clone ID: uC-tsro9316039h01b1

<400> 4859

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gccgccaacg ggatagtgct ttcattcatt actgagttct tcaaggaata tctgaaggaa 180

aatagtctgg atgatctgat cgcacttta aagaaaggca aaatggagga caattta 237

<210> 4860
<211> 265
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316039h03b1

<400> 4860

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acaccccacc tacaaataaa cggaaaggcc ctccagcaag ctgttacgag gtggagtgct 180

tcagcctggc tcatactgca gcccaaactg tcttcgactg cacgggccgg ggatgatctc 240

ctcagactct tttctgcttt gctga 265

<210> 4861
<211> 390
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316039h04b1

<400> 4861

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tattgcccac ctacaaatag actgtaaggc actacaccta gctgctacga ggaggagctg 180

cttcagcctg gctcatactg catcccagac tgactatcac ttgacctgcc ggtgttgatc 240

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accacctgct ggcctatagt gatgcttttg tcgtcctggc gatgggtatc atatatcctt 360

atccatgcta ttctcatcca ttgactgaac 390

<210> 4862
<211> 414
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsro9316039h05b1

<400> 4862

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agagagaaac cacaggagag ttgtgcgagg cagctcgagg aagaagaagg ttggcgctgc 180

aagaggagcg gcgccaacaa ttggtattca gagccttgtc ggtccggagc ggtggcggcg 240

cggcaaactc catgcgagat ggaggccggc ggcgcaagga ggaggtcggt ggctgctgct 300

acggtgcgag gccgttatga ggaggagatg gtgcgcggtg atcgtcgtcg tgaagtcgtc 360

gtccgcgtta agagaaggcc gcttcatacg gcatgacacc gaggtgatcg gcgt 414

<210> 4863
<211> 58
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316039h07b1

<400> 4863

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<210> 4864
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<223> Clone ID: uC-tsro9316039h08b1

<400> 4864

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cggctgatct tcgccggcaa gcagttggag gacggccgca cccttgccga ctacaacatc 180

cagaaggagt cgaccctcca tctcgtcctc aggctccgcg gaggcatcat cgagccatcc 240

ctgcaggcgc ttgcccgcaa gtacaaccag gagaagatga tctgccgcaa atgctatgcg 300

cgcctgcacc ctatggctgt caactgccgc aagaagaagt gtggccacag caaccagctg 360

aggcccaaga agaagatcaa gaactagagt gccactagtc agtttcatgg gccggttgaa 420

tccatcgcgt gtcggagttt atgctattat cgtctcgttt gtcgttgaac cctattttac 480

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<211> 443
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316039h12b1

<400> 4865

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ctatcccagg ggccagagga gcg 443

<210> 4866
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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316041a04b1

<400> 4866

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caacaagaag cccaccatca cttgccgtga gatccagacc tccgaacgcc tcgtcctccc 180

cggggagctc gtcaagcacg ccgtcttcgt gggcaccaag gtcgttacca agttgacctc 240

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tagtgatgct ggtgcctgat caaggtgggt gatccc 396

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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316041a09b1

<400> 4867

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tgtatcttta gctcctccaa tagataacaa caaaaatggg gggggccct tttgggggtc 180

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<211> 430
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316041a12b1

<400> 4868

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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316041b01b1

<400> 4869

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gaccggagta ttttggtctc acatgttgtg cgatatgtgt taaataagat gtaatgaaat 480

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<400> 4870

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ctacaacaag atcctcaagg atctcaagaa ggaattctgc tgcaatggca cagtagtcca 240

ggatccggag ctaggccagg tcattcagct tcagggtgat cagcgtaaga atgttgctac 300

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cgaagccgcc tccgataaat gctcgaaccg ccagccggct ctttttatat tgaaggcata 420

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<210> 4871
<211> 413
<212> DNA
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<223> Clone ID: uC-tsro9316041b04b1

<400> 4871

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cagaagtttt cgctaccacc ccaagttttt tttgactttt gctgaaccag cctaaaaatt 180

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<211> 346
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316041b08b1

<400> 4872

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cgggcgccaa gaacctgtac attatttccg tgaagggcat caagggaagg cttaaccgtc 180

tgccgttggt ctgcgtcggc gacatggtca tggccaccgt taagaagggg aagcccgacc 240

tcaggaagaa ggtcatgccg gcggtcattg tgcgccagcg caagccatgg cgccctaagg 300

acggtgtctt catgtccttc gaaaataatg ctggggtgat tgtgaa 346

<210> 4873
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<213> Triticum aestivum

<223> Clone ID: uC-tsro9316041b09b1

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atattgccaa tcttaagaca gagctcgagt tactgtcctc acagaaagct gcagttgata 180

ataaggtgtc tggtttgctg agtgatctcg cgacttgtga tgaaaagatg aaggagatgg 240

atagccactt gcatcagctg cacctggagc atgtgcaagt gattgcagag gcagatgccg 300

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<210> 4874
<211> 91
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316041b11b1

<400> 4874

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ccgcccacgc gttcgactag ttctagatcg c 91

<210> 4875
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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316041b12b1

<400> 4875

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<210> 4876
<211> 406
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<223> Clone ID: uC-tsro9316041c10b1

<400> 4876

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cagcagaagg tgctgcggca agggcatcgg agcacagaat cctggctgtt aacccgaact 180

acgtcattga ttgattaacc agctgaggtc acacagctaa ctagatccat catatgtggt 240

tgaccaatag agcagacatt caaacggaag acatcctgtt gtgatatgct ctagaaatga 300

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<223> Clone ID: uC-tsro9316041c12b1

<400> 4877

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gagctccgcg gcgggttcgg ccccgccgtc gacactttcg tcggcttctt ccacgccgtc 180

gactggaagg aaccttggtt gatcggcatg ataagtttcc atgccattct gctactggta 240

accatcatct ccaggaggaa catcaatttc caacttatct tgtcagcctt aacattttct 300

ggtgtattcc ttgccgagaa actaaacacg ttcctaggac aaaactggaa gagcttctca 360

agccagaatt actttgatcc ccaagccttt tatctcggtc atgtggtctg gcccctgctt 420

ctgatacgat acttatctgg tgacaccctg tgacctctgc atgct 465

<210> 4878

<211> 497
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316041d01b1

<400> 4878

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cggtctttga cattcttcga cgcaggacgc cgtaagaaat ttcgctagag atcttgcagc 120

tgccatggcg gacaatgaac ctattgaccc aaagaattac cttgaggaac gctgcaagcc 180

gcaatgtgta aaatcattgt atgactatga gagatgtgtg aagagagtca agaatgatga 240

aactgggcag aagcactgca ccgggcaatt cttcgactac tggtcatgcg ttgacaaatg 300

tgtagcacca aagctctttg agaagctcaa atgatggatg gggtggcgct gattgccaca 360

gaccccaata aatcgatcca ctgtcctgat ttctgattgt gctgaacctg taacaaggag 420

ctttcttcta tctgttgcta aaacttgtca aaacaagcaa acacaattat tttggcagtg 480

ggaaacaata ctttatt 497

<210> 4879
<211> 528
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316041d02b1

<400> 4879

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ctccgctccc tggcggtgcg cgccagggcc cccgccccgg ccacgggcgg acgccgcatg 120

tcctcctccg cccacgacga cgcctatgag acggccaagt gggagaagat caccatcatt 180

ggggccgtca cctgcaccct cctggcggcg tggaacctct ccaagggcca cccccacttc 240

gacgagccgc cggcctaccc ctacctgcac atccgcaaca aggagttccc ctggggaccc 300

aatggctctg tttgaggtca agcacgacca ttgagtactg aatagtgcat cataagaagt 360

cggtgaatgc ttcagtaaaa ttctctgtgt gtccagtggt ttttttattt tcattgcgat 420

ctatttgtgg caagaaatta gaaagacaca ctcttgtgct gacaatcccg aattgactga 480

attgtgtcta ccctttttttt cacatcaatg atctatgtga gacgaaaa 528

<210> 4880
<211> 295
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316041d04b1

<400> 4880

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gtttgggtgc tggccccaaa cgaacacact cctgcgtgcg acgctagata ccttatgtga 120

cggaaccgaa aaaggggtca ctgcatgtct gaagacaaca aactgactgg gaaaactctg 180

ccttcgctca gaagacaacc caacctgatc agctctcgtt catcagatgg catatgagcg 240

atgaggtctt gcccgatcgc tcaagaggac acttgatcac actagacctg ggctg 295

<210> 4881
<211> 478
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316041d08b1

<400> 4881

gcccacgcgt ccgcccacgc gtccgctcac acacacacat catctccccc acctctctcc 60

caaagccaag agctcagaga agcaccggcc atggagggca aggaggagga cgtgcgcctg 120

ggcgcgaacc gctactcgga gcaccagccc atcggcacgg cggcgcaggg cggcggcgcg 180

gacgagaagg actacaagga gccgcccccg gccccttct tcgaggccgg ggagctcacc 240

tcctggtcct tctaccgggc cggcatcgcc gagttcctgg ccactttcct cttcctctac 300

atctcggtgc tcaccgtgat gggcgtggtg ggcaacccgt cggggtccaa gtgcggcacg 360

gtcggcatcc aaggcatcgc ctggagcttc ggcggcatga tcttcgtgct cgtcactgca 420

ccgtcggatc ttcggcggcc acataacccc tgggacacct tcgggctgtt ttggcaag 478

<210> 4882
<211> 355
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316041d10b1

<400> 4882

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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa ataaaaaaat aataaaaaaa 120

tataaaaaaa aaaaataaaa aaaaaaaaaa aaaaaaaaaa aatattggcc gtccctttta 180

aagtaccaaa ctatactttc ccgtgcatcc aacattataa ttttttttata tggccaccta 240

attaaaattc tatgcccgca atttaacaac ctctcaacgg gaaaaaccct cgattcccca 300

aacttaataa tattgtaaaa aatctctctt ttttccaatt tgttttaatt aaaaa 355

<210> 4883
<211> 70
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316041e01b1

<400> 4883

tttgtttggt ggactccgcc taggttgccg actgctgcga ttttgcagtg cactcggctt 60

taagggtaaa 70

<210> 4884
<211> 531
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316041e03b1

<400> 4884

ttgcccgtct cctctctcct ttccccaacc caaaccagga gcgccctccc tcccccagcc 60

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caaggccgac accaagttgg cggtgaagag caaggggggcg gagaagccgg ccgccaaggg 180

gaagaagggc aaggccggca aggaccccaa caagcccaag agggcgccct ccgccttctt 240

cgtcttcatg ggcgagttcc gcgaggagtt caagcagaag aaccccaaga acaagtccgt 300

cgccgccgtc ggtaaagcgg ccggtgagag gtggaagagc ttgagcgaat cggagaaggc 360

cccctacgtg gccaaggcca acaagctcaa gggcgagtac aacaaggcca ttgccgccta 420

caacaagggc gagagtgctg ctgctgctgc cccaaagaag gcggcggcca aagaggtaga 480

ggaggacgat gaggaggaat ccgacaagtc caagtcggag aacaatgatg a 531

<210> 4885
<211> 550
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316041e04b1

<400> 4885

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tcagtgtggt gctggtgttg gcatatttct tttggtgagg aaaacaacaa tcctgttgca 120

acgatcggct cgtcttacat tttggccatc tctgtacctt atgctttcgg tgaggaggat 180

catgaaatgc acagaggaaa gcccttgtat cttagccaag aaagatacgc agccctcaca 240

tatctggtgg catctcatag ccttgaccgg acttctgaag ttctgcggca aacaaccatc 300

agcttttata catctgatta agtgcatcgt tttgaggaac aatgcccaaa ggatcatgtg 360

atgtgcatat tttctgggaa ctgtggtcta gcttcatatt catgctttcc agtgatggtg 420

aattgcatcc attcccaagg tggcacggat tctggcagac tatcgagccg tgcgtcggtg 480

tttcagacct tgttcgagca caatgtacag cggtgcctat ggcgcccctt ttntctttcc 540

tttttcgtct 550

<210> 4886
<211> 232
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316041e05b1

<400> 4886

tgttgtacgc gtgggtttgt ttttgcgggg ggtggaaata gtgttatgtt gaatgtattt 60

aagcaaagac atgctgtggc tttgtctagc attgatgtgt gcatatactg ttgttgtgct 120

gggacaatgg gcttcaccac tgcggtgacc tcgtgtatac cactagtaag agacatgttg 180

tgttgtgaga acaaataaac ctaagtgtta aaaataaaaa taacaaatgt aa 232

<210> 4887
<211> 444

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316041e07b1

<400> 4887

tgtttggagg acttcgccaa ggttgccgac ttcttcgatt cggcagtgaa cttggctttg 60

aaggttaaag ctgcagcagc aggtaccaaa ctgaaggact tcgttgccac tttgcaatcc 120

gacagcaaca tccaagctga aattgcaaag cttcgccacg atgtggagga atatgcgaaa 180

caattcccaa caattggatt cgagaaagag accatgaagt acaagaacta agaactgcta 240

tgtttcaaca gcaaggaagc aaccaggaag cacaactgag tacaagtcca tgtaaacaat 300

agatgcatga tgaagcgcca ccatatgtaa aaggaatcca agcattttac agaatatggg 360

aactttgtca atagtttctt attgcaggca catactgtaa gatgctttcg tgatatgcta 420

tatgaaccgc cattcttctt ggat 444

<210> 4888
<211> 307
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316041e10b1

<400> 4888

taaactgcct gttgtgtgtc aaaaaaaaaa aataaatata aaaaaaaaaa aaaaaaaaaa 60

aaaaaaaaaa aaaaatatac atatatatat aattatcacc taccctatac tacattagct 120

aaatttttat tcttattatt acataattaa aatttcatat ctttttaacc cgggggggcc 180

ccttttgggg gtcctagtct tctctccgtt ggtcgtgttt ttttttcttt ttttttgggg 240

ccccctattt cttctctcgg gggccgtttt tctcctctct tgttggggga acccccgggg 300

gtccccc 307

<210> 4889
<211> 316
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316041e11b1

<400> 4889

ttttttgcg agggcgaggc gagccactgg ctgatccgtg tctactctac gtccctgccg 60

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gatgatttgt cccatgtata catatcgagt agtaggcgca cggatttagt acgatccatg 180

tatagagggt ggctcagaac cgtgagcggt gtgtctcacc atcactcgat tgtacagagt 240

gttctcttcc attttgctat gtgaatatgt gatcagatat ttgtaggaca gcatatgatt 300

attagtacaa ctttac 316

<210> 4890
<211> 461
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316041f09b1

<400> 4890

ttcgaaggaa gcgtggcata tatttgctgg gaaagccctt attttggatc ctacatgctc 60

caaacgtagc tgggaaaaga aatcaaaggt acatatgttc tttcaggaaa atgggacgtt 120

atggacaagg tttggcgcac tctcacttcc aggtcgttgg ctgctgccgc aactgttgcc 180

gctgagcacg caaatgttcg acttttgtcc ttctagggcc atgggcactg agctcgggag 240

ggcgttctct ctgtcaaatt cttgtcacgc tatatgaaac cttacatcta agctgctaaa 300

gtgaatgacg ggtattgtct gtattgtgta ttgtgtattg tgtaggtagc aagcagcttc 360

cttttgttcc aggtcatgta atatcatcag caaaaataga acttaagaca gcaaggtctt 420

acatttttt ttgttaaaga agaaggtggg gtagcaagac t 461

<210> 4891
<211> 75
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316041g02b1

<400> 4891

tttaataata aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa taataaaaag aaaaaacaaa 60

actaaaaata ggggc 75

<210> 4892
<211> 437
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316041g05b1

<400> 4892

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ccgccggcgg cgacccttct ggtcatggcc ggcggaggag catacgctgg agagactacg 120

acctactgcg ggagatcctg gtgcgcctac cctcgcagac cgacctacct gctgcgcgcc 180

tctccttggg tcaagagctg gagacacatg gccatctgcc ccaagctact gcggcgctgg 240

cgcgtccacc accggaagcc tacactgctc ggggactaca cgagtgagaa cgggggactt 300

tcgcgcagat ccaccctgga cctgccgtac cgaatccgtc ccggccacat tttcctacaa 360

ctacaagtac acggtcgtga tccatggagg ttggtcgact gacgccacgg acgcgtgctc 420

cttctaacaa ggagagg 437

<210> 4893
<211> 335
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316041g12b1

<400> 4893

tttttgccca cgcgtccgtt aagtttgaat gtcttgggac aaaatctggt agtcttttga 60

tccaaataag gtctggatct ggatatcttg cttatgattt gtcagattaa gcttttctgg 120

tggtgttgaa tttgcatgct agttgcgtta ataaaaaaaa gaaaaaaatt tattcaaata 180

ctaaaataaa taaaaaaaaa aataaaacaa gattatagat ctaatttgaa caaaagaaaa 240

actagttctt attggggcgg ccctttttagg ggtcccaagt ttacctccgc gggcatgcaa 300

gctcttggct tttttttagg gtcacctaat ttaaa 335

<210> 4894
<211> 206
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316041h02b1

<400> 4894

gacgtcatac atctggtata gtgatagcta aattcaagtc catctggctc gtctggtggt 60

acgaacgtca gtgactaggg gaaacacctg gtggtaccca acttaatggt gtgggagcac 120

atgcaccttt aggcaggtgg ggcaatagcg aagagggcag taccgatcgc cctggccaac 180

aggtgcgcag actgaatgga cactgg 206

<210> 4895
<211> 325
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316041h04b1

<400> 4895

ggtggaacct gataagtctg tgatcgtgca acctggattc aaatgagctg tcggggctat 60

agaacgtctg gagtggaaaa accgtggaaa gaccaaactg aagcccgttg cacgcacatc 120

tgggtgaaca acaggatggc gtgatggcag aactggccgc gaccaaagag gaactgcaac 180

tgctggtgga acagattggc gaggggggacg agcacatgag ggctacacta ggcactggcc 240

gtggggtgac aacgcgcaga ctggcaaaat cactgggcag cgcaactaaa gcccgcttgc 300

tgcacattct tcctttgcct gctgg 325

<210> 4896
<211> 392
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316041h07b1

<400> 4896

tggtcgccac tgggggctct caggcggact gtaaagcgat tgacgtaggt ggggggatgt 60

gggctgatac ccaaggagcg tcatgattcc ttcaattgcg aagaagaggt gacaagacag 120

acggagaaag taaatggagt gctccaggac tatagcaaca tgcaccagaa gctaaaccaa 180

gacatggatg caactgttga gtctgtaagg cctgatcgca aacaatagta aaggtgacac 240

catatggggg atatatgaga gaggacaatg caggctctag gcttaggcat gccactggtt 300

gtattgacaa atggtataaa gtgtgagaac gatatcttcg cgtatcttca tttgagcgct 360

tggaggtcga aggacttatg gatgtgatga tg 392

<210> 4897
<211> 248
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316041h10b1

<400> 4897

tccttgttat agatcgcgag cggggccctg tgttgttttt tttttatcac aaatgaatta 60

aggcaagagg cacatctgta gcaaactagc ttgggcattt aatagcagcc atgacaaaat 120

atgaagtagt tcttcgaaaa cagttgtact aattctggct ttaagaacac tggaacatag 180

agcagatcca acttggcaca aacaaagatt ctaacctgac ggagacaaaa gaagaactgg 240

ctcttcag 248

<210> 4898
<211> 370
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316043a02b1

<400> 4898

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ccaagtccaa caataaaatg aaaacctcgg agcctcgggc gaagcagccc aagccccagc 120

tgaaggagga agatcacgag gacgaagccc ctgatgcggg cgaggatggt ggaggcgccg 180

ccggtggtgg tggtggcggc ggggaagagc acggcgatac gctgtgcggc gcatgtgggg 240

acaactacgg gcaggacgag ttctggatcg gctgcgacat gtgcgagaag tggttccacg 300

gcaagtgtgt caagatcacg ccggccaagg cggagcacat caagcagtac aagtgcccgt 360

cgtgcatggg 370

<210> 4899
<211> 179
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316043a03b1

<400> 4899

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accggagtgg caaggtctgg gtctgtttga atcccggtta aggatggact gtcgagttct 120

tcccaagaca aacaaacaca aaaaataaag acaaaaaagc aaactaatta aacctccgg 179

<210> 4900
<211> 351
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316043a04b1

<400> 4900

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gcatatgttt tcagctttcg cggtcagagg tgataattgt atgattaagg tgaaggtggg 180

gatcatcccc gtgtttgtta ctcttttgag ggaaaagtta cattttggga ttagattatg 240

aactgttgat ttatgattat tgctgcggtc acaagtgatg atacttgcta gtgataaatg 300

ttggagttac aagggtagaa ttcactacag tgggatagac ttgtctgttt t 351

<210> 4901
<211> 317
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316043a05b1

<400> 4901

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actcttcacg tgcgagtcca ggcacgaggg ccatcccgac aagctgtgcg accagatctc 120

tgacgccgtc ttggacgcct gcctggccca agatcccgac agcaaggttg tctgcgagac 180

ctgcaccaag accaagattg ttatggtctt tggtgagatc actaccaaag gcaccgtcga 240

ctacgagaag atcgtgcgag acacctgccg taacataggc ttcatctttg acgacgtccg 300

tctccatgct gaccatt 317

<210> 4902
<211> 347
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316043a06b1

<400> 4902

tgttgctcac gcgttcgccc acgcgtccgc ccacgcgtcc gcccacgcgt tcgcccacgc 60

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ctcggcctca acgtctggcg gccgacggcg cggcggggtg cccctccggt gaccaagatc 180

ctcgtggagg aggacttcat gtcctccaag aagaatcacg aggtcgaggc gctggaggcc 240

gagctccggc gcgtgggcga ggagaacagg aggctcagcg acatgctccg cgcgctggtg 300

gccaagtact ccgaccttca gggcagggtc agcggcatga tggcggc 347

<210> 4903
<211> 441
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316043a09b1

<400> 4903

tcgggccaaa gccgcagaca gcacgcacgc ggagcccacc gtcgccgctc caaatctcgc 60

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cctccgccga cgccccccacc gacggcgagc accggatggg caccaccatc gtcggggtat 180

gctacgccgg cggggtcgtc ctcgccgccg actccaggac cagcaccgga atgtatgtgg 240

caaaccgtgc ttcggacaag attagtcagc tcactgataa tgtctatgtc tgccgttctg 300

gatctgccgc tgatacacaa gttatttcag attatgtgcg ctatttttctc caccagcaca 360

caattcagct tgggcaacca gctaccgtga aagtcgcatc caacttggtt aggttgctgc 420

ctatcagaac agagcatgtt g 441

<210> 4904
<211> 473
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations

<223> Clone ID: uC-tsro9316043a10b1

<400> 4904

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gacagcgccg ccgtcggcga gagcacagga tggcgaccgt gcccgctccc gcagccgaga 120

ccgcggcctc cacggcgcgc acggtgaagg atgtcaaccc ccacgagttc gtcaaggcct 180

actccgcgca cctcaagcgc tccggcaaga tggagcttcc ggagtgggtt gacattgtca 240

agactgcaag gttcaaggag cttccacctt ctgatgctga ctggtactac atcagggctg 300

cctcgatggc aaggaagatc tacctgaggc agggaattgg gatcggcggc ttccagaaga 360

tctacggtgg ccgtcagagg aatggttcac gcccaccgca cttctgcaga gcagtggtgc 420

tgtgtcccgc aacatcctnc aggagttgca gaagatgggc atcattgatg tgg 473

<210> 4905
<211> 423
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316043a11b1

<400> 4905

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atgccaatgg attctgcctg ggttttcagc acctcccaag actgagaaat gcacgagtcc 120

gtctctacaa agagggcgca acatcttctg ctatcacttc tgcagaagtt gctataaaga 180

atgaagcaga tgcccatccc aaccatccca cagtaactct gatagaacat gtcaagagag 240

tggattattg ctctgaggaa tgtcctaaga gaaccgtaca gagctactct gaagacccag 300

aactagttga caatacaact aagcaaaagg aaacttaaat ttgtggactg gtgacaagtg 360

agagatggcg tgctgctgct tgtgtggctg gaacgacgtg gtactgtcat agaagctcga 420

acg 423

<210> 4906
<211> 310
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316043a12b1

<400> 4906

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ccgcccacgc gttcgcggac gcgtgggcgc ggtgacgggg gcggacgcgt gggcggtcgc 120

ttgtgagaag tcgattgaac attatgattt agagaaagaa gaaatcgttg tttgcctgga 180

tgaatcccac ataccagaga caattcagcg atttttgagt gaatagaatg ctgaaataaa 240

cttgtactag catcgaaaat ttcggttcat tatttgcagg aagttgtgct gatctattat 300

ttacagaaac 310

<210> 4907
<211> 217
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316043b02b1

<400> 4907

tctttcacgc gtacgcccac gcgtccggct ggacttgcaa agaaagagag catcaagatt 60

cacggatttt aggcaacaca caaatgctcg tgtgctgtca ccgaagcctg gaagttgtcg 120

tatacttggt attgtcacat ctaagacatt tgaattgcta gtactcgtgt gaggcatctg 180

tgtttgatgc acttttacat ccaagacatt tgaattt 217

<210> 4908
<211> 262
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316043b05b1

<400> 4908

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aaaaaaaaaa aaaaaagaaa aaaaaaaaaa aaataaaaaa aaaaataaaa aaaaaaaacg 180

ggccggcctt tttaggggac ccaatttcaa atgccaagac gtcggaaacc aaaaatttaa 240

taaagttaaa ccaaaattaa aa 262

<210> 4909

<211> 362
<212> DNA
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<223> Clone ID: uC-tsro9316043b08b1

<400> 4909

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gcttctggtt tgagcgactt atcccgagta accagtgtag catccttctt tgtcagccga 180

gttgacagtc tgatcgacaa aatgcttgag aagattggaa caccggaagc tcttgccctg 240

aggggaaagg ctgccgtagc acaagcaaag atagcaaatc agctttacct gaagaaattc 300

tctggaccga ggtgggaggc tttggtgaag aagggagcca agaagcagag gttgttgtgg 360

gc 362

<210> 4910
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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316043b09b1

<400> 4910

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gacgcaccgg ccagcgcgtg aggctctacg tccgcggcac catcctcgga tacaagaggt 120

ccaagtcgaa ccagtacgag acggcgtcgc tggtgcagat cgaggggggtg aacaccaggg 180

aggacgtggc ctggtacggc ggcaagagga tggcctacgt ctacaaggcc aagaccaaga 240

gcaacggcac ccactaccgc tgcatctggg gcaaggtctt ccgcccccac ggcaacaccg 300

gcgttgttcg tgccaagttc accttcaacc tgcccgtcga ggccatgggg aaaaaggtca 360

gggtcttcat gtacccgagc agcatctaaa aggttaattt gaagggtgga ggaattcgct 420

cgtcccttaa gtttcatttc agagtcttgt tagatggat 459

<210> 4911
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<223> Clone ID: uC-tsro9316043c02b1

<400> 4911

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taagattata ccctatgata ggctagtggt agctccagtg tctgttacaa ctaagacgac 180

ctcccaattg cttggccaag cacctcaaat cacattaagt gaaaatgcgg agctctctaa 240

tcaggcgacc acctatgatg atgttcagtc atcgggtgct agttctttta tacctatgta 300

taatcgaact ttttgtagat tgaatcggtt gttctatacg aacaatcctg gagatgcttt 360

ggtcttacgt gctcctgata ttgcaaaatt tcaactggaa atag 404

<210> 4912
<211> 243
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316043c06b1

<400> 4912

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tacgcccacg cgttcggtga atgtaaaggt tactagtaca gcctagtgaa aaaataaaaa 120

aaaaaaaaaa ataaataaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 180

aaaaaaaaaa aaaaagaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaagg gggggggcgg 240

ttt 243

<210> 4913
<211> 191
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316043c10b1

<400> 4913

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ttatgaatga tgaatgctat gttgtgggca caaaaagata aactgaatgc ccaactacgg 180

ggggtgcgtt a 191

<210> 4914
<211> 327
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316043c12b1

<400> 4914

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aagattcaac caaccatgtg ctcccaggag aatgctcttc tctcttatga tggatcctcc 120

atgcatttct ttgtacatag cagcattccc ttttcttgtt tgtaaaacta ctactgccag 180

tctgttggtg ttatttccat gccatttgta atttgttctt tgaaatggtt tgtgatttgt 240

tttgtgggga gacagaatta tcctcatttg tgtgggagcc attttctcat tggtcataaa 300

taaaatggat ggtttaccaa aatagaa 327

<210> 4915
<211> 441
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316043d03b1

<400> 4915

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aaatttgcgt gcagttgttt gctcggaacc tatactgcta tgatccaaat tcaaactctg 180

aggaattgga gattgcctgt ccagaatctg agtttccttt cagcattcat acgtttgttg 240

aaagtataat tcctctgtgt caagataatt tcatcaagaa gatacagtga tgttggtctt 300

ctttattctt gaagatagat ttcagcttac agatttacat tatctttgat gtttttttctc 360

ttcaaaaatg gacttgttaa ctgccttaat ttggcctact ttatcacttt gtgattagtt 420

ataagaacaa tcttgaaaat t 441

<210> 4916
<211> 391
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsro9316043d05b1

<400> 4916

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gccgcgagcc agagccagcc caccccagcc agccagccat gccgaagaac aagggtaagg 120

gaggcaagaa ccgcaagagg ggcaagaacg aggccgacga cgacaagcgc gagctggtgt 180

tcaaggagga cgggcaggag tacgcgcagg tgacgcggat gctcggcaac ggccgctgcg 240

aggccatatg cgtcgacggc accaagcgcc tctgccacat ccggggcaag atgcacaaga 300

aggtctggat cgccgccggg gacatcgtcc tcgtcggcct ccgcgactac caagacgaca 360

aggccgacgt catccttaag tacatgaacg a 391

<210> 4917
<211> 208
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316043d06b1

<400> 4917

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gctccagagt gctacaacta tgttgctgat aaaacttacg tgtcgcgcaa ttgtagaaac 120

cattgtcatc attacagata ggaataataa tgggacctaa gttaaccgtt attactgcac 180

aattaactgg atatttgata agctttcc 208

<210> 4918
<211> 383
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316043d07b1

<400> 4918

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acttcaagat acaacgcaga gacatccggg accacatgac attggctagc aaaggccttc 180

atggcacaag cacgggtgaa caggcccgca gatggtcgga gtactgtcag acttgcaaac 240

atatatgcta ccagattgat cgccgtatat ttaggccggg gctgaagatc tctactatgc 300

cgctcctcag ggtggaacgg gtcacggacc acttccggat gttcgtggac cgggagctca 360

ctctggcgca ctgctacaca ctg 383

<210> 4919
<211> 427
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316043e01b1

<400> 4919

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gcttgttatc ctcggtgtgt atgatgcttg tgtaaataaa gcaagtcatg gttagtgatg 180

cgctatgatt tgtattgtca tttgatttgt gctagtaata aggtttcact tgttcccgtt 240

gagggaaacg tgtctgactg tagtggtaat gtgcagccaa atgtatctcc ttgttccaga 300

tcggagttaa ctatgtatgc acaaatcact ggcgcatttt cactaaattc agtaaaaaaa 360

taaaaaaact ggtaaattct gaaaaaaaaa aaaaaaaaac gctcttctca attttctccc 420

cctttat 427

<210> 4920
<211> 122
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316043e04b1

<400> 4920

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tttatttgta agctggcggc catgatgttt tttaatatga tgattgtcga ctatttttt 120

at 122

<210> 4921
<211> 384
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsro9316043e07b1

<400> 4921

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cccctgctga ttaagcggcg gacatgattt taatgctaaa atattaagtg ctgcatccaa 180

tagccgcaat tgtattacag tgtactgttt ggtaaatctc atgcgccagt tttttgtcca 240

agagttcaca tgcatgctga acaatagcat ttgtggaagg gtagaatgca gtatggttag 300

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ctgcctgaat ccaggtgaac tctt 384

<210> 4922
<211> 429
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316043e12b1

<400> 4922

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ctggccaccg cgctggcgct cccggaggac ggcaaggtgg tggccatcga caccgaccgc 180

gagtgctacg aggtgggccg ccccttcatc gagaaggccg gcatggcgca caaggtggac 240

ttccgcgagg gcaccggcct ggcgcgcctg gacgagctgc tcgtcgagga cgagggcgcg 300

gccagctacg acntcgcgtt cgtggacgcg gacaagccca actacgtgcg ctaccacgag 360

cagctgctga agctggtccg cgtcggcggc accatcatct acgacaacac gctgtggggc 420

ggcacggtg 429

<210> 4923
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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316043f04b1

<400> 4923

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ggccgctgtt gttggtgttg agcatgaggt caaaggtcag ggaatatatg cttttgtaac 120

tttggtggat ggcgttcctt acagtgaaga actacgaaag agcctcatat caaaagtccg 180

cactcagatc ggggcatttg cagctccaga caggatccac tgggcgccgg ggctccccaa 240

gacccgcagc ggcaagatca tgcgcaggat cctgcgcaag atcgctgcaa agcagctgga 300

tgagctcggc gacataagca ctctcgctga ccccggcgtc gtcgaccagc tgattgcgct 360

caaagattgc taggatgtaa agaagttatg cgactgtttt ttcccctatg tggttatgtg 420

gttggtagaa gttggtttta gtgttcattg gtctcctttt aattggtgca attttctcct 480

gaggctagtg gactg 495

<210> 4924
<211> 501
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316043f05b1

<400> 4924

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gtccgcccat ccacaaggag gaagaccgcc gcttgccagg tgagtccgca attttcttct 180

ccatccccgg ccgtatccgt atggctggct gctctcaagt ctcaacacac caacgacctc 240

gagcagcgac cgtctgcctg gtcccagcat caagttctcg atgactccgg ccatggccgg 300

ctcgccgtac atgcacttct tctccgctgc tgagaggaca ggcggaaggc tccgtcatgt 360

tcgttccctg ttacgacaac cccgtcatgt acgacatcga catggagtcc gtcgccggcg 420

tgcccctgcc cagctttccc aagcagagcg actccatctt cctgtccatg gccgactccg 480

tcgaggtgtn gaactacagg a 501

<210> 4925
<211> 379
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsro9316043f09b1

<400> 4925

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atcctctttt gcttgcccac ttgtttaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120

aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa ccaaaaaaaa aaaaaaaaaa aaaaaaaaaa 180

aaaaaaaaaa aaaaaaaaaa agggggggccc ttttaaaaga accaaattta actacccctt 240

cattccaact aaaaactttt ttattggggc acctaaaatt aaataaactg cccgtgtttt 300

aaaaacgttg aaactgaaaa aaccttggtt tacccaaatt aaattgcttt aaaaaaaatc 360

ccctttttcc aagctggct 379

<210> 4926
<211> 152
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316043f11b1

<400> 4926

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aaaaaaaaaa cgcgtgtctg gaaaaatttt aggttctttc ttacggtacg cataaaaata 120

atcttatttg gcggggcggt cccgtttaat gg 152

<210> 4927
<211> 508
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316043f12b1

<400> 4927

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gctcatccac ttccaggtga acaacggcaa ggtgcccgcc gtggccatcg cggcgctcag 120

cagccaggac gccggcgtga tcaccatcgc caacgccgtc ttcgggtcaa cgccgcccat 180

cagtgacctc atcctcgcca aggccttcat gaccgagaag gacaccgtcg actggatcca 240

ggccaagttc gcgccggcca tgagcggcaa cagcagcatg ggaggaggcg gctacgacat 300

gccgcccggc ggcggcgagg gcgaaggcgg caacagcacc ggcggcggtg gcgggtacta 360

ccctggcatg cgcaagcgga agccctaagc acggacagga cggccggcca tccacgcgct 420

tatactaata attaatgaat aatttaagta caagtaaaca aagaaaacat gcatcaaacc 480

agtacttagt acttactact ggcttaat 508

<210> 4928
<211> 398
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316043g01b1

<400> 4928

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catgctcctc ggcagcgtcg tcagcaagga cttcccgctg gcctgctact ccgtggacaa 120

gatgccgctc ccctacgagc tgttcggccc gcagccgccc accccggcgc ccgccccggc 180

cccggccccc accaagtcca agcccaagaa gaagaagaag tccgccggga tcgccgaggc 240

gcccgaggcc gacgacgcca ccgccgacga cgacaccgag aagtccgccg ccgcgtccct 300

ctccggcgtc gccaggtggg ccgctgtact cggtgccgcc gtcctcggcg ccatgttctg 360

atctgatccg atccgatccg atccgagagg aacgacac 398

<210> 4929
<211> 356
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316043g02b1

<400> 4929

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cgctggatct ctgctcagat gaaccgtgta cgtaatgcta agctctaccg ttacatctgt 180

gacacaaagg gtgcctttgt gcccactggt ttctatgagg ctgtccggct tactgtcatc 240

caagccatga cctgcagtct tactaccttt gcaactgcat acggtggtcc tgctgagatc 300

atcgtgaatg gagtgtgacg ctaccacatt gatccctacc agggtgacaa ggcctc 356

<210> 4930
<211> 309
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316043g04b1

<400> 4930

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tgtatttgtg ttgctatagt tgctccacac actggagttt gattgttcat gtttccatga 240

catttatcat ctaatgataa ctgaaagtta cgtggctgca aaaaaaaaaa aagaaatgaa 300

aagggcggc 309

<210> 4931
<211> 231
<212> DNA
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<223> Clone ID: uC-tsro9316043g06b1

<400> 4931

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aaaaaataaa aaaaaaaaag gggggtccc ccccccccca ccccttttcaa a 231

<210> 4932
<211> 154
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316043h01b1

<400> 4932

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acccccaaaa aaaaagggaa cactgtctta taaggtcggg ccgttctttc gggtccccgc 120

tacctttctc ggcgtcggtg gggtcgcctc cttt 154

<210> 4933
<211> 385
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316043h02b1

<400> 4933

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ttcgccagga tattagcaaa cactgccagt taacaagtgc tacagccccg gtcgacgatg 120

aactataaca gcacgtgtta gctccccgta tttactcgac aaagaaaagc agatgaatgc 180

ctgagaagcg tcaaagaaga agctccagta ggatatgagg ctgtgatgtc ttagcgtctg 240

catttttaca cactcgcatt gttgtcttaa agagggactt gcagattttc acatatgatt 300

actgatgtat tgagaacatt caaactttga ggaatttctg catgctgaat tacagttagc 360

agcatggtat gattcgctga actta 385

<210> 4934
<211> 483
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316043h07b1

<400> 4934

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aggcatcagt gactcgccga tggggcaaga aaacgacctc gacgtcatcg cgctcgcccg 180

cttcgccgtc tccgagcaca acaacaaggc caatgccctg ctggagttcg agaatgtggt 240

gaaggtgaag aagcaaactg ttgctggcac gatgcactac attacaatcc gggtcactga 300

aggtggggcc aagaagctct atgaagctaa ggtgtgggag aaaccatggg agaactttaa 360

gaagctcgag gagttcaagc tggtggagga cgttccaagc gcataactca taaggcgcgt 420

cccagctttg caaggatctg cagctatggt gttgatgtag ctatctatcg gacatgggtt 480

agc 483

<210> 4935
<211> 95
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316043h09b1

<400> 4935

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aaaaaacaaa aaaaaaaagt aaaaagaaag gactt 95

<210> 4936
<211> 400
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316043h11b1

<400> 4936

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agttgtcttc ttccttggca cccctacata ccgcctctat gcacccactc ccggtgctga 180

gaaccccttt gccctccttg ctcgtagcct tgccgcgcta gcccaacatg acaatgccac 240

ttcgagctca ttgcttggtt acaaaaaaga ataccaggta gaacaaaaag aggatgcggt 300

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<210> 4937
<211> 57
<212> DNA
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<223> Clone ID: uC-tsro9316043h12b1

<400> 4937

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<210> 4938

<211> 128
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316046a05b1

<400> 4938

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catgcttttg cgagcgtaat taggaccgat tgtacctgtc tctctttgcc tgaaatgact 120

tgttgcag 128

<210> 4939
<211> 494
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316046a06b1

<400> 4939

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ggtgccggct acagcacgcc cacgcgcctt tcctggaggg gtggcagcgg ggagcagccg 180

gagaaagcgg cggacaagca tcggcaggag gagaaggtca accagggctc tcggccggag 240

aagaagccgg aggtgcggtt cgccccggag ttcgacggca tcaactgctt cgagtccatc 300

atctcctttt gagcggctga tccgctgttg tctcgggata gttatcgagc ttcatatcta 360

tttttgctgg ttgcttaatt agtgatgatg agacatgtat ttctcaaaaa gaaaatgtaa 420

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agtgggatcg tgcg 494

<210> 4940
<211> 413
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316046a09b1

<400> 4940

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taagtggtgt gttgtaaccc accaccatca agtcattctg tgctatataa tgtcaagatc 180

aatcaagatt agggtatgat gcccatgtaa atcttgtgat tgttctgact tacttttctg 240

gcttgtatgg atgataattg tatgtgtgtg ctggttgtac tatgattgtg tgatgatata 300

tattaaaatt tctactttgt acctttaaa aaaaaaaaaa aaaaaaaaaa aaaaataaaa 360

aaaaataaat aaaaaaaatg tctgtcttta ttaaaagatc catgataaat acg 413

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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316046a11b1

<400> 4941

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aggccattct ctctgaatct gcttttgcgg tgcagaagct ccgtgttcag ggagatgaag 180

aaataccaga tgggtttttc tagctggtgc ggtgagtgcc agcgtgaaaa gagagaaagg 240

cagattcagt gcgtcaaagc gaccaagcat ttcttagggg tgctggaggg gcaatgattt 300

aagtcatatt tactgcatgt attttatgca atcctgtatt atattaaaca tcctttgatc 360

atttggaaac gtctagtata actgttgtcc aatttccagc tcgtattttg tcagtgtcat 420

tgcatcttat gtaaatctga acttttct 448

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<211> 278
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316046b02b1

<400> 4942

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aatgtaacaa caattggctc cttttaacag gaaccacctc tgttttctag tgcagctctg 120

tctgatctat ttaaggttta acaagttttt gttaaaaaaa aaaaaaaaaa aaaaaaaaaa 180

aaaaaaaaaa aaaaaaaaag ccgaaaaaat taaaaaaaaa aagacggctg aacaatagat 240

gctaccttag gtactatttc atagaggagc ctaattac 278

<210> 4943
<211> 236
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316046b05b1

<400> 4943

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cggtcttgac aacatgctac gtgaagatct tgaacgcctg aagaagattc gtgcccaccg 120

tggtcttcgt cactactggg gtctccgtgt gcgtggtcaa cacaccaaga caaccggccg 180

caagggtcgt accgtcggtg tatcgaagaa gaaataaggg cttgggcaac gacaat 236

<210> 4944
<211> 440
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316046b10b1

<400> 4944

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cgtggtggcc gggcctcgcc cggagacggg cctcgacaag ctccgccggg ccgtcgccac 180

ccaacccctc gccatcaaca cagctgcagg ggaggcgatc aagcagtcgc cgtcgatgcc 240

gacgaccccg accacgccgg tgacgccgtt gttgtccacg ccgccgtgcg gcggcagcgt 300

gtggcggagc gttttccacc ccgggagcaa cctggccacc aagagccttg gcgccaacct 360

cttcgatcgt ccgcagccca acttctccac cgtttacgac tggctttaca gcgacgagac 420

caggacaagg agcaaccacc 440

<210> 4945
<211> 485
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316046b11b1

<400> 4945

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gtgagctttg taaggacatc aggatgatga acaagaagct tggtgatttt gaattcctgg 180

atgaccatct cggcaaagat acaaccatga gcatttgtga ccggtctagt gaagaaaata 240

atcacaaaga agttgacggc gctggccttc aagaatcaaa tgaaatgcta ctggaggaga 300

tactcaagtt acatggaaat gtggaaatgc ttatgagcaa ggagaaggct tctgtcgaca 360

tcagatcctg caatgaggag atcacaaagt tggtatccca catgcaaatg gccatcatga 420

atgcagttct gttcaaggag aagatcgttg agcttatcgt tacatgtgag agttatgaga 480

taagt 485

<210> 4946
<211> 253
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316046c05b1

<400> 4946

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gagccattgt tactttacgg aggactccat cacaaaagat caactgagat gcacgcgtgc 180

gggcgatgag agaacaacgg aaccgcgaaa gcagcctgac gtggagaaga aaagcaacgg 240

ccctatgcgt ggc 253

<210> 4947
<211> 494
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316046c10b1

<400> 4947

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cccggcgatg agcagccgaa gatctaccgc atgaagctct gggcgaccaa cgaggtgcgc 180

gccaagagca agttctggta tttcctgagg aagctgaaga aggtgaagaa gagcaacggc 240

cagatgctcg ccatcaacga gatctttgag aagaacccaa ccacgatcaa gaactatggc 300

atttggctgc gttaccagag cagaaccggc taccacaaca tgtacaagga gtaccgtgac 360

accacactga atggtgccgt ggagcagatg tacactgaaa tggcctctcg ccaccgtgtg 420

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gacaacacca agca 494

<210> 4948
<211> 495
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
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<400> 4948

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acaaaggaag aaagagagat gttgagacgg aaggtgccag taactggttt gaagacgcca 120

ttccgggatg ggtatgtaag agatttagct gaagatgttc tccagttagc taagaatgga 180

ttagaaagaa gaggatacaa ggaggttggt ttcctgagag aagtcgacga agttgttaga 240

acaggagtga cacctgccga gaagcttctg aatctatacg agatgaagtg gcagcgcagc 300

gtggaccctg tgttcgagga gttgttatat tgatatgctg atatcgtata taacttcggt 360

ggaagctgga caaggtggac agggtcttca gattgtatcc ccatacaaaa tcccgtcccc 420

aattctacaa gccacctgac cagngaagcc tactctctgg tctcgcggct gcgaataaat 480

ttgaagctcg aacac 495

<210> 4949
<211> 354
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316046d04b1

<400> 4949

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gccgccggac agagaccgac aagatctccg cccaacagcc ggacgcagca aggcgccacg 120

gcgccacggg agacagggag gagaacccaa gacagaacga caccggagag gaggacgaag 180

cgcacgagga gaacaaagaa gacgaggagg aagacgaact gccaccaaag aaaaaccggc 240

gcaccgcgtg ggccaacaga agaggaggcc gatgacacga agccgaagct agggaccggc 300

cggcgctaca caaaggacta actgggaaaa ccccgcagca tccaaacgga aata 354

<210> 4950
<211> 496
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316046d10b1

<400> 4950

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cccgcatcgc ctacaggaaa tccgtcgctt ctttgaagac tacaagaaga atgaaaacat 180

ggaggttgca gtgaatgatt tcctcccagc agaagatgcc atcaacgcaa tcaagtactc 240

gatggacctc tacggttcgt acatcatgga gggcttaagg aagtgatctc cagttggcgg 300

actgcggatg ctacgcgatc cgccctacgg cttatcaata gtacgacaaa catctatgtt 360

aacatgatga tcgaaaacca tcagtctgtt ggggatctat ttataccttc tgtccatgct 420

gattaagcat gggtacattt ttctttcgtt tttgccatgt aggtccagtt tttgaccttt 480

gttggaacct ttttgt 496

<210> 4951
<211> 418
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316046d12b1

<400> 4951

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atccccttcc cctactctca ccaggagcag aacccacccg ctcggaccgc tccgtgtaat 120

cgccatggcg gacgaggaac ccgttgatcc caagaagtat cttgaggagc ggtgcaagcc 180

acagtgtgta aaaccactgt atgagtatga gaaatgtatc aagagagtcg aggccgatga 240

tactgggcac aagcactgca ctgggcaata ttttgactac tggtcattgc atcgattaat 300

gtgttgcacc aaagctcttt gaaaagctga tatgatattg gggcgctact ttcagtgagt 360

gagcctggtc attggccaga actttgttca agttgaaata tttgaccaag tttgcaat 418

<210> 4952
<211> 597
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316046e01b1

<400> 4952

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aatatactat tgagactttc acgaagggca tccctgatgc aaggacgtac ttggataccc 120

ttcagcagct caggaaaaag agtggtctca tagatgatat gggtattgag gatatgatga 180

tggaagctct cgagaaagtt gagaaggaca ttaagaaacc tcttctgagg agtgacaaga 240

agaacatggg tctcctcttg gcagagtttg acaagattaa caaaaagctt ggcattcgga 300

aggaggatct tcccaagatt gaggaaaatc ttgaaatgga acttgccaaa gctgagctga 360

cggaacttaa gaaggaagtt gttgaagcaa tggagggcca actaaagagg gaggagttta 420

aagatgaggc gatgcctgac gtcaggaagt tggacattag aaacttcctc taggtccctg 480

attgatgata aaccctcgng tgaccgatct gtgatttttc ttttaagtga cggncgtgct 540

gtagccacac cgatggatgt attgttgctt ttgtataaac tgcacgaaat tgacagc 597

<210> 4953
<211> 459
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316046e03b1

<400> 4953

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accccgcctt cctggaggcg tggaagaagg tgaccacaat catcgagccc ccccagacgc 180

ccatgtcggc catgaagccc cgcccgccca cgccggcctc cattccctcc aagctcaccg 240

tcaacttcgt cctcccctac aagtccgaga tcaccaacaa ggaggttgac atggtaatgg 300

taccggctac aactggcctg atgggtattt tgccaggcca tgtttccaca attgcagagc 360

tcaagcctgg tgttatgtct gtacatgagg gaaatgatgt tacaaagtac tttgtgagca 420

gtggctttgc attcatccat gcaaactcca ttactgatg 459

<210> 4954
<211> 309
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
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<400> 4954

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agccagcacc gcagacgccg ccggcagacc ctgangagcc cggcgccaga caaccggccg 120

aagcaaggcc caccggggcc aagagagcaa tgaggaggag tccacgacga aagaagaaca 180

gattgcccgc ctccggacgc tgggggaaca acagaaccgc gatgacagcc cgacggggac 240

gaaagaagaa ccggcgcccc gcgtgggaaa gctgaaagag gagcacgacg acacgaggcc 300

caagcttgg 309

<210> 4955
<211> 490
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316046e12b1

<400> 4955

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cggagaagaa gcgcgccccc ggcccgtgca aggacgaggt ggtgacccgc gagtacactg 120

tcaacctcca caagcgcctc catggatgca ccttcaagaa gaaggcacca aatgccatca 180

aggagatcag gaagtttgca cagaaggcca tgggaaccaa cgatgtccgc attgacgtga 240

agctcaacaa gcacatctgg agcagcggca tcaggagtgt cccgaggaga gtccgtgtca 300

ggattgcccg caagaggaac gacgaggagg acgctaagga ggagctgtac tctctggtca 360

cagttgcttg aagtccccca ggaaggtctt aaaggttcgg gtaccaaagt tcgtggatga 420

tgaggactaa acccccctggc tgttgattca atcagttaga atttaataca tattcgctga 480

gagcatattt 490

<210> 4956
<211> 477
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316046f01b1

<400> 4956

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gccaggagga ggaggaggcg gggttcaacc tgctgccgct ggtgatggcc gccttcgtca 180

tcatgctgct gttcgtcgtc tgctcgccgc agccccggcg caggcgctgc gtcgtcgtcc 240

cgtgctactg acgtggcatc atggtggtgg tgcggtggtg ggagcctcga cctcgatcgg 300

cggcgctcaa ggcaggcaag tggctgctac tgtggtggta ggcgtttggt tggtgtctgg 360

atttttctga ctgatgcgtg ttgggttggg tggaagaata atctcaattt ctgctgaatt 420

ccatcggact gtaaagctaa agtcattctc ttgttgcaag tctatcttgt tgttaat 477

<210> 4957
<211> 545
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316046f03b1

<400> 4957

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gaaggagaag gtggaggcgt cgtcgatcga cctggaggcg gggaacgggg agacgctcta 180

cccggggatc tcgcgcgggg agaacgccct ccgctggggc ttcatccgca aggtctacgg 240

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cttgggtttg ttcactctgt gcttgagctt cagcattggt gtggtttgtg caaacactga 480

agagactatg gtgcttcaag cattggtact gacctcagct gtggatgtct ctttgactga 540

tacac 545

<210> 4958
<211> 359
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316046f11b1

<400> 4958

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gaggctttcc ccctcgttca gtcgggagcc gtcatgagcc gatcggggca gtcgccggat 120

ctgaagaagt acatggacaa gaagctccaa atcaagctga atgcgaaccg tgttgttatt 180

ggcacgcttt gtggatttga tcagttcatg aatttggtgg tggataacac tgtggaggtt 240

aatggagatg agaagaccga catagggatg gtggttctga gaggaaatag tgtggtgatt 300

gattgaagcc tttgaaccaa ttgccaggcc ttagcgatat ctttgcctac ctgcttttg 359

<210> 4959
<211> 517
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316046g03b1

<400> 4959

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aaactcagcc ttaaaccagc tcttcatctt cttccttcat gctgagggat gctccccctg 240

ccgcaaatac cagcattcat tcagcggcaa caggcgagag ggcagaggat gcggtagtgc 300

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gaagggcatc cagcccatac aggcgtacta ttcagtagag ggtaacaagt tgcaccggcc 420

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aattagagta aagtatcaag ctgcagcgat gtgtata 517

<210> 4960
<211> 283
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316046g04b1

<400> 4960

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aagccttcac gatggcggtg gcggagctct gggagacgct gaagcaggcg atcttagcgt 180

acacggggct gaccccgacg gccttcttca ccgccgaggc ggtcgccacc gggctgtacc 240

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<211> 239
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316046g08b1

<400> 4961

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ggaaagaaaa aatacacttt caagttttgt atgtagtact tgatgtatgt ctcaagtata 180

acttataatg atccaaaaaa acgagacgat atactggccg cccactaaga acaacaagc 239

<210> 4962
<211> 194
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316046h02b1

<400> 4962

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cttaggtcat cacaaaagag ttaattgacg ttggtgatac aattaaaaaa aaaaaaaata 120

aaaaaataaa taataaaaaa aaaatacatt attaaatatt gacaaaaaaa aaaataaata 180

aaagataaat aaaa 194

<210> 4963
<211> 202
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316046h08b1

<400> 4963

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ccacggaagt atacatgcac gctgtagcta ctgatgacga cacggatggc cccatggact 180

ctgactccaa aaagagcagt gt 202

<210> 4964
<211> 440
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316046h09b1

<400> 4964

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tacgttggct cttggctgtc accatgatat ggacatgata tgcagagcga cattgtgcat 180

ggccattttc aactgctact tcctccgttg ttttagtctg catataaaat ctggtcaaag 240

tcaaacttag taaagtttga tcaactttgt agaaaaaaaa attaatatct ataatacatc 300

atatagtatg aaaattaatt tcatgatgca tctaatatta ttgatttcat attgtgaatc 360

ttgatattta ttttctataa atttagtcaa agttaacaaa gtttaatttt gacccaattt 420

tatatgcaga ctaaaaagaa 440

<210> 4965
<211> 479
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316046h10b1

<400> 4965

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gcgcgtctgg ggtcgaggaa gtgggcgccc cgtttcgact acatcctgac ccagcaggcg 120

ttcgtgacgg tggacaagga cgagcccatc aaccaggacc tcatcagcaa cttcatgtcg 180

gaccccgtcc actgcgccat cgaggtctgc gccgagctga ggcccaccgt cgacatctcg 240

gtgacggtcg acgccgactt cgtgcgccct gagcttcggc agtcctccta ggctcgcccc 300

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tttgatggat ggacattcat gggactgaat ggatgggtgc gactagctgg attgatctct 420

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<210> 4966
<211> 524
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316046h11b1

<400> 4966

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tgtatacatg gggacttgga agcctggggc agcttgggca tcgctcgctt cagtctggag 180

ataaggagct aatcccaagg cgagttgttg cccttgaagg aatagtaatt agggatgtgt 240

cttgtggtgg ggttcactct tgtgctgtga cggaaggtgg agccctctac tgttggggag 300

gaggacatgt gggccaactg gggcttggac ctcagaatgg tttcttttca tgcgctctta 360

atggatccga catgctactt tgtaacattc cagtcctggt cataccatca ggtgttcggc 420

ttggtacttg tggtcactca cacacactta tatcgatgaa agatggccgt atttatggat 480

ggggctataa tagttatgtc aggcagctta tgagaaatta ctta 524

<210> 4967
<211> 528
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316046h12b1

<400> 4967

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agagtatcat gtggagagta ccatgcagca gctatatcag aaaacgggga ggtgtataca 120

tggggacttg gaagcctggg gcagtttggg catagctcgc tttagtctgg agataaggag 180

ctaatcccaa ggcgagttgt tgcccttgaa ggaatagtaa ttagggatgt gtcttgtggt 240

ggggttcact cttgtgctgt gacggaaggt ggagccttct actgttgggg aggaggacat 300

gtgggccaac tggggcttgg acctcaaaat ggtttctttt catgcgctct taatggatcc 360

gacatgctac ttcgtacatt ccagacctgg tcataccatt aggtgtaccg cttgttactt 420

gtggtcactc acacacactt atatcgatga aagatggccg tatattctga tggagctaat 480

atatgtatgg tcaggcagtt tatgataaat ctactaatgc tggtccct 528

<210> 4968
<211> 301
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316047a07b1

<400> 4968

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attccgtttg agattatata tactggggtt cggggatcga attggcgcgc atacatgtga 180

tatgcgaatg tgatccatgg ccgattccat ttgtaatttg ttgtaccgtg acatgcatca 240

gcttatctac ttgattgatt ccatattata atatttttt tttaactttt aattaatata 300

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<210> 4969
<211> 278

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316047a08b1

<400> 4969

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attgcttgtg tgggttcttt gaattctttt ccgtgtacgt tgacgatgcg aatttctctg 180

tggtttccat ggaccgtgtg aagagatttc agcttcttta tatgtactat gtatatgcac 240

tagtatcatg tatgggagtt tatgcataca gtccttat 278

<210> 4970
<211> 470
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316047b04b1

<400> 4970

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ccagcccgcc gctgactgcg gcgtctacac gtacgggtac tcgaccgtta cggtggtgac 180

cgtcaccggc aaccacagcg agtacgagcg gatcaccaag gaggagaagc accacacgca 240

cactgagcac ctcagcgaga tgggcgcagc ctggggcgga gccttctacc tctacgagaa 300

gcacgaggcg aacaaggacc cggagcacgc gcacaagcac aagatcgagg aggaggtggt 360

tgccgacata gccgtcggcg ccggcggctt cgtcttccac gagcaccacg agatgaagca 420

tgaccacatg gaggccaagg aggccagcgg cgagaagaag caccaccact 470

<210> 4971
<211> 253
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316047b05b1

<400> 4971

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gaccacggag ggcttgctct atcatgtaat ctgttctttt tcttctgccc atttatatgc 180

cgggccttat gctgctgcac tgcactgttc ctccaagtta cggttataaa taattaaatg 240

ttctgtttgg att 253

<210> 4972
<211> 464
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316047b06b1

<400> 4972

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cagttttcct ccccggggac gcccccaaaa ttctttttttt ttggggcccc caaattaaaa 240

ctatgggccc cctttttttcc accttggggt tgggaaaacc cgggggttcc cccacttaaa 300

tggcttgggg acccccccccc ttttcccggg gggggatata tcaaaagggg ccccccccaat 360

tcccctttcc aaaatttgtc ccccctctta tgggttatgg ggcccccccc tttatggggc 420

cttttagccg gggggggggg gtggttcccc ccagtggtcc cctt 464

<210> 4973
<211> 298
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316047b07b1

<400> 4973

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tgttcgtccc gtccacctac taacggcata taaaagcaga ggggatcatg aacaccattg 120

cgatgtcatt gcttatctct gacggacccc ttttcatacg atgagctgtc tggacggctg 180

cggtctactg gtgcacatgt tggcagctgt ttaagaccac cggctgcgaa cgagaaactg 240

gttctccgcg tagcagatct acaagaagct cttgctcaca cctaggccta aactatgg 298

<210> 4974
<211> 524
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316047b09b1

<400> 4974

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agtgaagacg gacatatttg gatatggtgt tatgttatta gagattgtga caggcgagcg 180

tgcaattttc cccgatttcc tcgaaggagc tggcgaggtc atgctcatcg atcaagtgaa 240

actgttgatg caagaagggc gattggaaga aatcgtagac cgcaatatag gctgtggata 300

tgactttcaa gaactagtaa aaattatcca agtagcactc ctctgcacca atattgaccc 360

ttgtcaacgc cctgctatgt cggaagttgt gcatatgctg gaagaaaaaa ttgtgccaga 420

agatcagtgg gaggagtggc agcaagctga gcttacccgt cgacagcagt acgaatataa 480

gcagcaccac atattattca ccttcagtga ggagtcactg aaca 524

<210> 4975
<211> 70
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316047b10b1

<400> 4975

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agatcaagtt 70

<210> 4976
<211> 52
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316047c03b1

<400> 4976

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<210> 4977
<211> 538
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316047c07b1

<400> 4977

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gcaatggccc ggatcaaggt gcacgagctg agggggaaga acaaggcgga tctgcagggc 120

cagctcaagg acctcaaggc ggagctgtcc ctcctccgcg tcgccaaggt caccggcggc 180

gcccccaata agctctccaa gatcaaggtg gtgcgcacct caattgcgag ggtgctcacg 240

gtgatctcgc agaagcagaa ggcggcgttg agggaggcgt acaagaacaa gcgtctcccg 300

ctcgacctgc gccccaagaa gacccgcgcc atccgcaggc gtctcaccaa gcaccagctc 360

tctttgaaga cggagaggga gaagaagcgc gagaagtact tccccatgag gaagtatgct 420

atcaaagcct aggttaggag gacatgtttt acccgccgag tttgctcaga agtngcatga 480

attttatgtt ctgtgtggac accgctgcta tctaagtact atgtattcga tatcctgc 538

<210> 4978
<211> 255
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316047c10b1

<400> 4978

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gagtactata tagacgttgt aaagtaccga agtctttttg tacataaaat ttggcaaaag 120

aacatcctca gaattgacga aaaaataaac aaaaaaaaaa taaaatatta aaataaaaaa 180

aaaaaaaaaa ataatataaa aaaaaaaata tacataatat aaaataataa ataatcatat 240

gggggggccc tttta 255

<210> 4979
<211> 417
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsro9316047c11b1

<400> 4979

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gtgctttctc tggcatggac ccaactaagg ttgaccgaag tggcgcctac attgccaggc 180

aggctgccaa gagcattatt gctagcggtc ttgcacgccg ctgcattgtt cagatctact 240

acgccattgg tgtgcctgag cccttatctg tctttgttga cccttatggt actggcaaga 300

tccccgatat ggagatcctc tagattgtga aggagaactt tgacttcagg cctgggttga 360

tcagcattaa cccttgactt gatgaatggt ggtaacaggt tcatcaagac cgccgtt 417

<210> 4980
<211> 492
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316047d01b1

<400> 4980

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caggttgcga aaattgaaac tgagaaaatg cttattgcca tggttgaaac tgaattggag 180

aagagaagag cggcggggaa gtactctgca catttcagag gccagtctca cttcttcgga 240

tatgaaggaa ggtgcggcct ccctaccaat tttgattcca gctattgcta tgcattaggc 300

tatggtgctg gtgctcttct ccaatttggc aagacaggac ttatttcgtc ggttggtaac 360

ctggctgctc ctgtggaaga atggactgtt ggaggaactg cactgactgc gttgatggat 420

gttgagagga ggcatggcaa gaacaagcca gtgatcatga aggctatggt gggacttgat 480

gctgcgccat tt 492

<210> 4981
<211> 497
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316047d03b1

<400> 4981

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gagcttggtg cctggaggcg aggctaggaa gaagatgacg aggcggttct tgcctctttg 120

cgcgctcctc atcgtgctgc tctgcatggc ggcgagcctc gcggagggga ggcgcggcgg 180

ggggcgcccc atcatcggcg gcggcagcgg cggggccaga gggagagggt caggcagccc 240

gcgcggcctc agcggcggca cctgggcggc gtgcgtcggc tcctcgctgc tggtcgcggt 300

ggccatgctc ttctagcttg cagcggcgag aagaactcaa gaaggatggt tgggcaatgt 360

aaatgttctg tggattcgtt ggttctttac tactactgtc gatttgattg ttgttgtata 420

tacgtacaga tacattcgtg agcggattga tgaattcatt tgacatgttc tatcttgatt 480

aagtggatta tgggcag 497

<210> 4982
<211> 489
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316047d04b1

<400> 4982

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gcatccacaa gagtggccgc gtggagcgct tgcaaggcac cgagaccgtc ccgccctccc 180

cctccggtga ccccgccaac ggcgtcgcct ccaaggacgt cgtccttgac ccggcggcca 240

acgtctccgc ccgtctctac ctccccgccg ccgccgcggc ggagcctgga aagaagttcc 300

ccgttgtcgt ctacttccac ggcggcgcgt tcgttgtcca cacatcggcc tcaccgatct 360

accacaagta cgccgtcttc ctcgccgtcg tcgcgcccgc cgtcgtcgtc tccgtcgact 420

accgtctcgc tccggagcac cccctcccgg ccgcctatga cgacgccttc gcggtcctcc 480

aggcgatcg 489

<210> 4983
<211> 483
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsro9316047d05b1

<400> 4983

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aacgagcagt tttgggttat tggtggcaca tctgcccatc ttttcgcagt gttccagggt 120

ctgctgaagg tgttggccgg gatcgacacc aacttcacgg ttacatcgaa ggcaaacgac 180

gaggacggcg actttgccga gctatatgtg ttcaagtgga cgagtctcct catccctccg 240

accaccgtcc ttgtgattaa cctggtgggc atggtggcag gcatatcata tgccatcaac 300

agcggttacc agtcctgggg tccactcttc ggaaagctct tcttctcaat ctgggtgatt 360

ctccatctct acccccttcct caagggtctt atggggaagc aagaccgcac gccaaccatc 420

gtcattgttt ggtccatccc tctcgcctcc atcttttcct gctgtgggtg aagatcgacc 480

ctt 483

<210> 4984
<211> 388
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316047d09b1

<400> 4984

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tgagcgtcct tggcgtcggc agcttcatca gcagcttcct catctcggtc atcgacggcg 180

cgacgaggag gggcggcggg acgagctggt tcgccgacaa cctcaacagg ggccatcttg 240

attacttcta cctgctcctt gctgctctca gcgcgctgga gcttcttgct ttcctctact 300

tctccgcgac ttacatttac aagagaaagc ctgtcaatgt tcactgaccg agactgatac 360

attcgtctta tgttctactc cctctgtt 388

<210> 4985
<211> 473
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316047e06b1

<400> 4985

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atgtcttgct gcggaggaaa ctgcagctgc ggcagcgcct gcaagtgcgg caacggctgc 120

ggcggctgca acatgtaccc ggaggttgag gccgccggcg ccaccctcct cgtctccgcc 180

accgccaccc acaaggcgag ctcgggcggg atggagatgg cggcggagaa cggcggctgc 240

ggctgcaccc agtgcaagtg cggcaccagc tgcggctgct cctgctgcag ctgctagatc 300

tatcatcggt catgcatgca ccgcgcgcat catatctatg atctatctac aatctactta 360

ccatgtaacg ccacctgatc gagggtcttt gtatgtatgt aagcacctgc cagcatgagc 420

agagcaggtg cactgccatg catgtaaacc gacccctaaa taaaatcttc cgt 473

<210> 4986
<211> 456
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316047e08b1

<400> 4986

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gcagccgaga tggacacggg tggcctgctg gaccattccc cggcagccct cggcccgagc 180

cctcttccca cgccgcctcc accgctcgtg ttctaccaag acgattaccg gtactactac 240

gacgacgaca gttgcctcca ggaggaccag gagggcgacg acggcgccta tcaactgctc 300

caggacgagg aggaggacgt cgccgccacc agctcgcttg ctgccaggct acgtgagctc 360

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gtcgggagcg ccgtcggcgc ctactttctc tggccc 456

<210> 4987
<211> 81
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316047e10b1

<400> 4987

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accaaaaaaa aaaaaaagaa a 81

<210> 4988
<211> 383
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316047f04b1

<400> 4988

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tttgggccat ggcggagttc aagcaccttt gcatggccaa gttcaaggaa ggcgtcgtgg 120

tggaggacat catccaggag ctcaccaagc tcgccgcgga gctcgacacc gtcaaatact 180

ttgggtgggg caaggacgtg ctgaaccagg aggcgctcac gcagggcttc acccacgtct 240

tcgtcatgac cttcgccagc gccgaggacc tggcggcgtg catgggccac gagaagcaca 300

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tagtcttcgt taagccggcg ccg 383

<210> 4989
<211> 502
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
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<400> 4989

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tgtgaggagg atttggttgc aatcatgtag acagagtttt gcgaagatgc ttgctgagaa 120

gcaattcagg gagacagagg agatgagggc caaggcacag atctctcatg cccagccaga 180

tgatcttatt gacttctacc acctcaagag cagaaagggc atgagccagc ttgagttgga 240

ggacgaggtc caagatgatt tgaaggctgc aactggtgga ttcaccaagg aaacagatga 300

tgcaaataga cttaatcgca ttcttcagtt gactgggttc agtgatcctg tatatgctga 360

agcatttgtg acagttcatc attatgatat tgtacttgac gttactgtcg ttaaccgcac 420

ataggagaca cttcagaacc tgtgtttgga actagctacc atgggagacc tcaacttgtt 480

gaccgtnctc agaactatac tt 502

<210> 4990
<211> 362
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316047f07b1

<400> 4990

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cgtggtcgtt ctctgcgtgg cgcctgagaa caaggcggga cagttcgagg tggccgtctg 240

gcagtccggc gagggctgca gctgcggcga caactgcaag tgcaacccct gcaactgtta 300

agctgcatgc actcgttcgt agtacgtgtg atggtgtgag agaatacgtg attaactagc 360

gt 362

<210> 4991
<211> 553
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316047f09b1

<400> 4991

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tggtttgtgg tgttctaaga agttcccaag ctcgtgcata cagtgttgac cccttagtca 180

cctgctacgt ctgcatccag cacagcacac acatcaccat caccatcacc aatgccatgg 240

cgcgcccctc ttgctgcatg cggttgccac atatcatttc ttctgagcct tcctggttcc 300

tgttcgattg gtggagcatt ttggactaga agcggctctt tgtaaattta ttgtaccgct 360

ttaagattag taggggcatg gttcttcttg atgtgtaagc tatgattgtt tgtgatcatt 420

tggagatgtg attgtatgtt ggtaaaaact aacaggttgg atattgaaga gcaggggagg 480

agattgtatg ggttgagaat acagagtcaa gaattctaga atctgttggt gcctgagttc 540

tgttaatcat ata 553

<210> 4992
<211> 546
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316047f12b1

<400> 4992

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gcgggcgagg gtcggcggcg gtcgcgatgg catccgacgg gcgcgtggag cggatcgcgt 180

ccagcatccg cgccatcccc aacttcccca agccagggat tttgtttcag gacatcacaa 240

ccttgcttct cgatccgcag gcattccgtg acaccactga cctctttgtc gagcggtaca 300

aggacaaaga cataactgta gttgctggtg ttgaagccag aggattcatt tttggtcctc 360

ccattgcatt agccataggt gcaaagtttg ttccaataag gaagccgaaa aaattacctg 420

gtgaggtgat atcggaagaa tattctctgg aatatggcac tgacaaaatt gaaatgcacg 480

taggagctgt gcagtccaat gaccgagtcc ttattggtga tgatctattg ccacaggggg 540

aaccct 546

<210> 4993
<211> 492
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316047g02b1

<400> 4993

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gtcatcgagt atagcaccga gaatctcgag ccgcccattc tgacaataga ggatgccatc 180

caacatgaca gctacttcca tcctcccccа tttttggctc ctaagccagt tggggatttc 240

gagcaaggga tgtctgaagc tgatcacaag attttatcag gagaggtgaa acttgaatca 300

cagtactact tctacatgga gactcagacc gtcttggccg tccccgacga agataactgc 360

atcaccgtct atggcctaac tcagataccc gaggtcacgc agaatgtcgt cgcggactgc 420

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gggaaggcaa tg 492

<210> 4994
<211> 275
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316047g05b1

<400> 4994

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attgtttgtg tcgatctata attattgttt gatttgcact agggatcgct gcttgttaaa 180

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acttgtggca aagataaaag atgatactag attcg 275

<210> 4995
<211> 417
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316047g06b1

<400> 4995

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aaaggtagcc gccgcctccg tcgacatcct cgactccgcc gccaagtacg gcaagctgga 180

ggacaagccg gtggggcagc acctctagaa ggctgagggg tacctgaaac agtacagctc 240

cggcggcacc gagaaggaga aaaccgacgc acctgctgcc gctgacgcac cgaagccgga 300

tgcacccaag gaggcagcgc ctgcgcctgc ccctgccgcg gaggaagaga aatcgtccga 360

tgggttcggt ctcgacgacg tcatgaaagg ggctgcatcg ctgtctggga agaagag 417

<210> 4996
<211> 344
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316047g08b1

<400> 4996

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cctttaatct gaacagcgtc tcgttcagta gattggctgg ttcgtgtctc gcgtgcaggg 180

tgtattgtgt tcctttaatc cttctcatca ttcgcttctg ggtggttgcc gtaattagtt 240

gcgagggatc agtggacgat ggcaaatgat gatcgtagat gatgttgatc gggagagaac 300

aatgaggcat gaataagcag tcgtgtgtgc attcctctta tctc 344

<210> 4997
<211> 123
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316047g09b1

<400> 4997

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acggccattc ctgacagagc cggacagccc ctatacctga tgaccgtggt aagaacgaac 120

ctc 123

<210> 4998
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<212> DNA
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<223> Clone ID: uC-tsro9316047g10b1

<400> 4998

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atcatggctg cgtgatagca gcgcgcataa tgaataatgg aatgtgctgc ttagccccac 180

gaagtctgca tcgtgcccta cctccctgaa tgatgtgcac ttgaagtctt gagcatgcaa 240

gttcagttta atgccc 256

<210> 4999
<211> 409
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316047g11b1

<400> 4999

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aagaggctca atgccccgtc tcattggatg cttgacaagc ttggtggagc ttttgccccc 180

aagccatcat ccggtcctca caaggccagg gagtgcctgc ctctgatcct catcctgagg 240

aacagactga aatatgctct cacctaccgt gaagtgcaat ctatccttat gcagcgtcat 300

attatggttg atggaaaggt ccgcactgac aagacctacc ctgctggttt catggacatc 360

attttcattc ccaagactgg tgagaactac aggcttttgt atgacacca 409

<210> 5000
<211> 564
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316047g12b1

<400> 5000

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agaggtgggt gggcctggcg gtggacttct cggaggggag ccgcgcggcg ctgcagtggg 180

cggcggacaa cctgctccgc tccggcgaca acctgctcct cctgcacgtc ctcaaggacc 240

ccgactacga gcagggcgag accctcctct gggaggcctc cggctcgcct ttgatccccc 300

tctcggagtt ctctcaccct tcaactgcaa agaaatatgg ggtgaagcct gatgctgaaa 360

cgctggacat gctcaacact atagctaagc agaaggaggt ctccgtggtt tcaaaagtcc 420

tgtttggaga tccccgcgag aagctgtgcc aagccatcca tgacatgccc atcagctccc 480

tggtcattgg gagcaggggc cctggcaagc tcaagagggt gctcttgggc agcgtcagcg 540

attacgtcgt gaacaatgcc gcct 564

<210> 5001
<211> 214
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316047h03b1

<400> 5001

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tcgaccgcgc ttcctagctt tgaatgatcc tggggctagt gagccgacta gataggaaag 120

cgaggctgga ttaacaattt gaagccgata atgttgaaac agtgtatgac tagctaacta 180

tgtacttata tatatatata caaacaagga tgtt 214

<210> 5002
<211> 229
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316047h04b1

<400> 5002

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gatactgaac acactaactg aaaattaaac ctaggtaaat taaatgagat agtcttaaag 120

atccaaaaga tataaaaata tgaaaccgag taaaaagaaa atctggaaga cctgattcat 180

attgaataaa aataaaacct aacagagatg aaattctaat ccaaacaaa 229

<210> 5003
<211> 304
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316047h09b1

<400> 5003

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gccatggtag ctagagccgt actactcctg gccatggtgg ccgtggcaag cgccacctac 120

tgcccccccgc cgtcggcgcc ggtgccggtg cccctctacg ggtcgtgccc ccagaacgcg 180

ctcaagctgc acgtgtgagc caacgcgctg aaccaggtga aggccaagat cggcgtgtcc 240

gcaactgagc cctgctgctc tcttctagac ggtctcgtaa accaggacgc ctcctatcgc 300

cttt 304

<210> 5004
<211> 500
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316047h10b1

<400> 5004

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tcgtttgttt caaaatgatt tatcactcgt accgcgtgtc caaatgatga accgctttca 120

cctttgtgtt tctcgcgcct aggttttcaa aactcggtcc actttggtag gttttgatga 180

acagttttct gcaaaatcta tgctccaagc tgtactaatc catgcttcaa aactgactaa 240

aatgtgcttc aaactatact aaggtgtgct tcacttttttt tgggacgcac agtcgctttt 300

tcacatgagt agcacatgtg tgcttcacac gaaaaaccat aataaaagaa ccgaagatag 360

aaaaaactgc aaattgaaaa ttcatttaca attaacatag atcaaaaaaa tggaaattaa 420

aaaaccaggt accataaaaa aatctgaaat tcaaagtgga gaccaaaaaa gctgtaatac 480

cagcttttac cctgacactt 500

<210> 5005
<211> 240
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316047h11b1

<400> 5005

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cgcagggcgg cggctcgtac gagaaggact acaaggagcc gtccccggcg cccctcttcg 180

aggcggagga gctcacctcc tgatccttct accgggccgg catcgccgtg ttcctggcca 240

<210> 5006
<211> 466
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316047h12b1

<400> 5006

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gaagaagaag aagcgtggag cacgctgctg ctacctggtc gcgctctcag cagtgtgaat 120

ttccagaagc atgcttgccg tgccttcttc cgggtgcacc ggaggccggc atgtgagcag 180

gggtgcttca gtgatgcaga agaaaaaagg caagtcttat tggcaaggga aggctacgcc 240

tttcttccag gtctccctct ctccatctaa atccgtgttt ggaggagggg gctacggtta 300

gtttacccac cggtttaccg tgtccttgtg agttgtggtc attatcatgc actcgtcagt 360

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atgtgagtgt gttcatgtga gtcaattagc tacaagaagt gtgatg 466

<210> 5007
<211> 573
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316048a03b1

<400> 5007

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cggtcatacc ctctataccg gttcgttcgc aaggagctgg gaacggtgta cttgaccgga 120

gagaagacac ggtcccccgg ggaggaggtg gacaaggtgt ttgttgctat gaaccagggt 180

aagcacatcg acgcgctgtt ggagtgcctc aaggagtgga acggcgagcc cctgcctctc 240

tgctaatcag ggagatgaag agaagatgct gtgcttcagg attctgaagg ctcccgttgt 300

tctgaactga taatgctact gttgtttgat ttcgtccttt ctctgttttt ccactcttct 360

aaaacgttgg tgcatgcaac gttctttcgg agctagaggc cattgccaaa gattgcactc 420

tgcaatactt gtagcgcaac aacttgagct tgtgccaatg taagcgaaag ggcacaaatt 480

ttcatgtaaa atgtgatgtt ctgctactga atcccaacgt tagacttact gatgtcatac 540

agcacatttt ctggttcaaa aaaaaaataa aaa 573

<210> 5008
<211> 190
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316048a08b1

<400> 5008

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actagtgtca ccactgctgc cctagcgtcc gtgctgatgc tgctcctggc ggcggccggc 120

ggcgtagccg cacaaggaag aggaggaggc tacggtggcg gcggaggagg atatggtggt 180

ggtggcggtg 190

<210> 5009
<211> 428
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316048a11b1

<400> 5009

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cctctacgcc gtcggcgggg gccgcaaggc cagcgacatg tacaactcga cggccgagga 180

cgtgctgtac gtgctcaagg agagcagcga cgacgaccgg cacgactggt actcgctggg 240

ccggtttgac gccgccgtca acaagtggac gccgatcgac gaggagctgg agctcggcgt 300

ctggctgcgg tacgactggg gcaagtacta cgcgttcaag tccttctacg accccgtgaa 360

gaagcggcgc gtcgtgtggg cgtacgttgg cgagaccgac tcggggcgcg ccgacattac 420

tcaggggt 428

<210> 5010
<211> 407
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316048b03b1

<400> 5010

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atttacttgt ttggtttatg atgaaaaaaa aaaaaaaaaa tagaaaaaaa aaaaaaaaaa 180

aaaaaacata atgaacaaaa aaaacatata aataaattta aaaaaaacaa aaaaagaaat 240

aggggggcgcc ccttttttaga ggacccaaac taacttcccc tcgcatgcac caacttagtt 300

tttttatagg gccccccaaaa caaaatgaac gggccggctt ttaacatccc caggtctgga 360

aaaaccctgg tgatacccaa ttaatacgct tggaaaataa ctcccctt 407

<210> 5011
<211> 479
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316048c02b1

<400> 5011

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gggtattttt gaggtgaagg ccacggctgg tgacactcat cttggtgggg aggactttga 180

caaccgtatg gtgaaccact ttgtccaaga gttcaagagg aagcacaaga aggatatcag 240

tggaaacccc aggtctttga gaaggctcag gacttcttgt gagagggcga agaggaccct 300

ttcttccact gcccaaacca ccattgagat cgattcactc tttgagggag ttgatttcta 360

ttccaccatc accagggcca ggtttgagga gctcaacatg gacctcttca ggaagtgcat 420

ggagccagtg gagaagtgcc tgagggatgc caagatggac aagagcacta tccatgatg 479

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<211> 492
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316048c06b1

<400> 5012

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ttatggtgcc agtttgcgta agcagatcaa gaagatggag gtgtctcagc actccaagta 180

cttctgtgag ttctgtggga agtttgctgt gaagaggaaa gcagttggaa tttggggatg 240

caaggactgt gggaaggtga aggctggcgg tgcttacacc atgaacactg ccagtgcggt 300

cactgtcagg agcactatcc gtcgcttgag ggagcagact gaagcataag ttgctactag 360

tgttttgtcc tagtgaatca tctgggattt tgcagtttag acgatacttt ggattcagtt 420

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<210> 5013
<211> 512
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316048c08b1

<400> 5013

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cattgaagac gttcgacctg ctggaggcgc caagaagttc tctgctgcat acccgaactg 180

cgcgaagaag ccatcctgat atcgtttttg gcatcccctt ctcgtagttt aggattttta 240

tgcaatttta ttctgactct tttctcccac caatctctct ggcttgctgc ttcacgataa 300

tcgaccagtt ctctagtctt tctccctctg ttcctctctg ctctgctctc tgactcgaac 360

tgcaacaatg gctgccccga cctctgcgat cgggtttgag ggctacgaga agcgcctcga 420

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ttccagggcc cagattgact ttgttcttga tc 512

<210> 5014
<211> 497
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316048c09b1

<400> 5014

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cggcaacggc tgcggcggct gcaacatgta ccccgaggtt gaggccgccg gcgccaccct 180

cctcgtctcc gccaccgcca cccacaaggc gagctccggc gggatggaga tggcggccga 240

gaacggcggc tgcggctgca cccagtgcaa gtgcggcacc agctgcggct gctcctgctg 300

cagctgctag atccatcatc gatcatgcat gcaccgtgcc gtgcgtgcat catcgatccg 360

atcgatctac tactaccata ccatgtaacc gcaacctgat cgagggcctt tatgtacgca 420

cctgacctgc atcagcagtc aggtgccatg ccatgattgt aaacaggccc ccctaaaata 480

aacctccctt gataact 497

<210> 5015
<211> 57
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316048c11b1

<400> 5015

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<210> 5016
<211> 487
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316048c12b1

<400> 5016

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cgcacgcgcc gcaggagctc aacagcccgc gcggcagcac cgccaagccc aagaaccccg 180

acgagatcct ccgcgacttc cacgccgtcc acccctccga cgccttctcc acctccttcg 240

gcggcggcgc cgccctcgcc tgcgtcgccg cgcagccccg caacctcgcc gacggcgggt 300

accagaggat gttctgcggg ctggacgaca tctactgcgt cttcatgggg acgctggaca 360

acctgagcgc gctgatgcgg cagtacggtc ctacgggccg cttcaccaac gaggcgctgc 420

tggtgatcga ggactaccgc accctgcgcg accggggcct ctaccctgct gaccaggtgg 480

tgaagga 487

<210> 5017
<211> 409
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316048d03b1

<400> 5017

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atcttgagga gatttctctg catcgcgaag tgggcgatga aacaaaaaat aagtggaaag 120

aagcagcaaa gaatcaccca actcgtcgtc ccaagatctt gttcctctag acaccatcaa 180

cacgtccagg cagtacaggc tgtgacttgc taatggcaca gcattctcat atgctgctta 240

ttggttgatg accattcatc aacatgattt agtcctcttt gctctcgtgt cggtttggtg 300

gcttccccgt tgttcgtact tttatgttgt gtcaccacta ggatttattt acttgtaaca 360

gacctaagtt aatgacctat taagctgagc aaacgatttc ctttgcaag 409

<210> 5018
<211> 274
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316048d04b1

<400> 5018

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aaggagcacg aaagattcac ccagcgcggc ggacgaagag ctagatgatc tggacaccat 180

cgacacgtgg aggcacgaca ggctgcgact tgcatatgga ccaggactct catatgcctg 240

gtattggctg aggaccattc atcaacatga gtta 274

<210> 5019
<211> 217
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316048d11b1

<400> 5019

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gcttcacaac agctcctgcg tcagtttcgc actttttttt cgcgaataaa tgagatttta 180

ttgcttaaaa aaaaaaaaaa attaaaataa ataaaaa 217

<210> 5020
<211> 472
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316048e01b1

<400> 5020

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ccagaaggtt cttcagaact acaagaatct tcaggatatc attgccattt tgggtatgga 180

tgagctcagt gaagatgata agatgacggt tgctcgtgca aggaagatcc agaagttcct 240

gagccagcct ttccatgttg ccgaagtttt cactggtgct ccagggaagt atgtggacct 300

aaaggagggt gtccaaagtt tccagggtgt tttggacggc aagtacgacg acatctcgga 360

gcacgcgttc tacatggttg gaggcatcga cgaagtcatc gccaaggcag agaagatcgc 420

cagcgagaat gcctgatgac gaggtgttac caccgctctg tacaagttaa at 472

<210> 5021
<211> 240
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316048e03b1

<400> 5021

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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120

aaaaaaaaaa aaaatataaa taaaaaaaaa aaaaaaaaaa aataaaaaca aaaaaaaaaa 180

aaaacaataa aaaaaggggc gccccttttct atataacaaa attacccccc ccctatataa 240

<210> 5022
<211> 502
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316048e05b1

<400> 5022

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tgaccacctc aggcaggtgt tttccactca gatgggtttg agtgaccagg acattgttgc 180

tctttctggt ggtcacaccc tgggaagatg ccacaaggag agatccggct ttgagggagc 240

atggaccgcc aatcctttga tcttcgacaa ctcttacttc actgagctcc tgagtggaga 300

gaaggaaggc cttcttcagt tgccgaccga caagaccctt ctgaccgacc cggccttccg 360

cccactagtg gacaaatatg ctgcggatga ggatgcgttc tttgctgact acgctgaggc 420

acacctcaag ctctccgaat ggngatttgg cgaggcgggc tgctgctgat tcaagctcgg 480

cgcctgaagg tcggtggtaa tg 502

<210> 5023
<211> 330
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316048e09b1

<400> 5023

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ttaagtggaa ggagggaatg gaaattaatg ggaatgccat taagaagaaa ggaagcaagc 120

gcccattggt tgaagaaagt ttcttcacct ggttcactga tacagagcac aagagccttg 180

ctgacggggt gcaagatgag gtggcagaga tcatcaaaga agatttgtgg ccgaacccat 240

tgaaatattt caacaatgag gttgaagagt ttgaaggaga tgactaggat gaagagggat 300

ctgatgggga ggatgctgag gaggatgagg 330

<210> 5024

<211> 434
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316048e11b1

<400> 5024

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gtccccatgg cgtccaagcg gatcctcaag gagctcaagg acctgcagag ggatcccccc 120

acctcctgca gcgccggccc tgtggcggaa gatatgttcc actggcaagc gacgatcatg 180

ggtccatcgg aaagcccata tgctggtggt gtatttttgg ttactattca cttccccca 240

gactacccat tcaagccacc caaggttgca tttaaaacaa aggtttttca cccaaatatc 300

aacagcaatg ggagcatctg tcttgatatc ttgaaggagc aatggagccc tgcattgaca 360

gtttcaaagg tgcttctttt aatattgttt ctactaacgg acccaaaccc cgaccacccg 420

ttggttccgg agat 434

<210> 5025
<211> 399
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316048e12b1

<400> 5025

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ggcaacgcgc agaagtccaa gatggcgagg gagaggaacc tcgagaagct gaagggcggc 120

atggggagcc agctcgaggc caacaagaag gccatgaaca tccagtgcaa gatatgcatg 180

cagactttca tctgcaccac ctctgaagca aagtgcaagg agcatgccga ggcaaagcat 240

ccgaagagcg agctcgtcca gtgcttccct cacctcaagc agtgatatct gcccaatcag 300

acagagagag agattaaaga gagagagaga gagaagctgt cataatccac ctactattat 360

catgttccgc aatgactgat tgttgaccta aagcttggg 399

<210> 5026
<211> 514
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316048f03b1

<400> 5026

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tgcaagtatg ttttaactgt ccaaagccca atgctctgca agaacccgtt gtttcagcag 180

gaaaagcgca ccttcttcat ccactgcaac gagtcgcttg cggaagcaga agctgaggcc 240

gtcgaggacg acgactctct cccaaaagaa gctcagatgt ccatcgttcc aaaccccgac 300

gaattgcata actacgcagc ttacgctacc tgattgcccg ccaatcacgg tgccctcagc 360

tgatgaaaga tgccgttatt ttggaagtac aacagcaagt tggcaacata gtataactat 420

cccctggctt gttctgtctg acgccaacta gtggttacag ggtactcttt gagcagatat 480

ccattactga aacagcttga gattacctta gagg 514

<210> 5027
<211> 515
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316048f12b1

<400> 5027

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ccttcaacat caagaacaac tgtggcttca caatttggcc ggcgggcatc ccggtgggtg 180

ggggcttcgc gctgggctca gggcagacgt ccagcatcaa cgtgcccgcg ggcacccaag 240

ccgggaggat atgggcccgc accgggtgct ccttcaatgg cggttgtggg agctgccaga 300

ccggcgactg cggcggccag ctattctgct ccctctccgg gcggtcacca gcaacgctgg 360

ccgagtacac catcggcggc ggcagcaccc aggacttcta cgacatcttg gtgatcgacg 420

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cctagttgct cgcgccgtaa gcctaccaac acccc 515

<210> 5028
<211> 386
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsro9316048g01b1

<400> 5028

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ctccttggtc aaagcccagc tgaactacat tctcggggac aacccgatga agatgagcta 120

cgtggtgggg tacggtatga agtacccgaa gcggctgcac caccgcgggg cgtccacgcc 180

caagaacggg atcaagtact cgtgcaccgg cggcaacaag tggcgcgact ccaagaaggc 240

cgaccctcac gtgctcgtcg gcgccatggt cggcggtccg gacaagaacg acaagttcaa 300

ggacgcgagg atcagctacg cgcagaacga gcccacgctg gtcggcaacg ccgggctcgt 360

cgccgcgctc gtcgccatca ccaaca 386

<210> 5029
<211> 205
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316048g02b1

<400> 5029

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tttcagcttc tttatatgta ctatgtatat gcactagtat catgtatggg agtgtatgca 180

tacagtactt attgttgaag tttat 205

<210> 5030
<211> 416
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316048g09b1

<400> 5030

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cgttcctctt cacgttcgag tgtgtgagat gagggccata cacgaaagct ctgtgaccag 180

gcttccgacg ccggctggga tgcctgcttg gcgcaagatg ccgacagcaa ggatggctgc 240

acgactgcta ccaagaccaa catggtcatg ggcttgggcg agatcaccac taaggccacc 300

gactactacg agaagaacat gcgcgaaacc tggcgaaaca ttggctttat ctatgatgat 360

ggtgggctcg acacccaccg ttgcaggtgc gtcgtacatc gagcagcagt cccctg 416

<210> 5031
<211> 272
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316048g11b1

<400> 5031

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attctgagtt agagagtatc tgttcatctg cacggggtgc aaatatcagt ttctgtacca 180

ccatggagat tactatctga aatggagtct gcttttctca acggaaacca aaagactaac 240

aggtactcca atatgtataa ctttaatata tg 272

<210> 5032
<211> 55
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316048h01b1

<400> 5032

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<210> 5033
<211> 485
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316048h02b1

<400> 5033

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cgggagcccc agcacgtgcc ggcgcggggc gtactcacag ttcttcaaga gcgcgtgccc 180

gtgcgcctac agctacgcgt acgacgactc cacctgcacc ttcacctgcg ccgacggcac 240

caactacgcc atcaccttct gcccgagcac caccagtggg aagtacaccg acgagaaccc 300

gcaggctgcc ggcgtgccgc ccgcgaacgg cacgatggtg taccgcggcg gcgagcagtt 360

ctcgacgagc ggcggcgcct ccactgccgc ccatgcgtcg cagctgctcc tcgcggcggc 420

cgtcgccgtc gcgctgctcc tgtaagggca cgccggccat acgtgcaatg ttggcaacga 480

catac 485

<210> 5034
<211> 134
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316048h03b1

<400> 5034

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ggcgattggg acgcgccctg atgacgcgca ttctgcgctt gggtcggggc ggttctcaca 120

acgtgaccct gcac 134

<210> 5035
<211> 375
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316048h07b1

<400> 5035

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gtcaggatat ttgctaacac tgccagttaa caagtgctac agtcacggtc gtcgatgaac 120

tatgacagta cgtggtagct tccaggattt actagacaca gaaaagcaca tgaatgctct 180

gtaagcgtca acaagaccct gctgtcggat ttgaggctgc gatggattaa cgtgtgcttt 240

ttgacacact cgtattggag gctctatgag gcacttggcc atatttacat atgagtactg 300

atgtattgag aacatgcaaa ctatgaggaa tttctgcatg ctgtattaca gttagcagca 360

tggtctgatt cgctg 375

<210> 5036
<211> 395
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316056a02b1

<400> 5036

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gaccatggac ctgcagctcc tgctccaccg cggcaagatc gtcggcaagg ccctcagcag 180

gctcatgagc gcccacagcc accacgacca ggccgcctcc aggtcggtcg cggaggcacc 240

tccgccggcg tacgttgtct cgccgcaccc ttgaccccgc gctcgccgtc tatggtccgc 300

gcggcgccgg tcgacaggtg gagttcagct gcagcaacac cccgtcctac ccgaccgtnc 360

aactcattct cgccaagcgc cgtcgtgcga acaac 395

<210> 5037
<211> 75
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316056a03b1

<400> 5037

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gggcggacgc ctggg 75

<210> 5038
<211> 419
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316056a05b1

<400> 5038

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gtcagccacg atggccgtcg tcgccgacag gtcgatgctc cggtcgtacg cttctctcct 120

ccgcgctgct ccggcgaggg cctcttcctc tgcggcgcgg ccgtcccttc gccgcgcgct 180

gggcgcgccc cctcgtctcc tcaggtagcc cgtcgaggcg agcttctgcg tggagtcgct 240

gctggcactg cacagcgcca ccgcagcggc gcggatgaca tctatgctgg ccgtgcctgg 300

ccgaggcctc gggtggctca cggaagctga aattgatggg gtatgatgct gacctgccaa 360

cggagccagg agattactag tctttcagga tgagctgaca cagaaaggaa gcatgcttt 419

<210> 5039
<211> 362
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316056a06b1

<400> 5039

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ccaaagcccg tgcacctgat cctccagtgc tgtccgcgat cacagcgtcc gtgatagtgc 120

tgcgatccgc tgatccttgg gctggtagct cggggagcag gcgttgcgtt cgtttcttgc 180

tgggagagtg ggtcgagtga tcgggcgggc gggtcgcatg agcccggtga gcggaaagct 240

gcggtggctg tagagggcgc acgcgcgggt cgttggtcgc tcgcgggact tctacgtgcg 300

gagcatcact gggtgcgcgc gctacgttca cgccgacgcg gaatgaggcg cctacccggt 360

gc 362

<210> 5040
<211> 450
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316056a07b1

<400> 5040

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ctgggctagg agtatctcgg aggctggcac tactgcgctc accacctcag acggggctcg 180

tctagcaaag atcaacacaa acaatgttgt tgacgcctca gctgatacca tagttctgta 240

cccggagaac ggaggcaacc tgcactgctt cacggcgctg acccccttgcg ctgttttcga 300

cgtcatggga ccccccttaca gcagcgctgc tggcagggac tgcgcgtact acagtgagac 360

caccttctca aacacagctg gtgtggatga cgtgcggtac tactggctca aggagattcc 420

caataccttg cggatgaagg gcgtaacgat 450

<210> 5041
<211> 485
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316056a09b1

<400> 5041

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gagactcctc gctcaaggaa ggacaaaggt ctggatggaa gtctagttgg ttcaaggatc 120

aaagtatggt ggccagacga tgagatgttt tacaagggtg ttgttgactc atttgatacc 180

cattccaaaa ggcacaaggt tgcatatgat gatggagatg tagaggtact gctgcttagg 240

gatgaaaaat gggatttcat cagtgaggaa gaaggcaaaa ctcctgatgt accatctgag 300

cgccgtggtc gaaaagggag aggaatcacg ctgctgccag tgaaggaaga aaaaattgaa 360

acacctaata gtgacggagt ggagcttgca aagaaaaggg gctcgccgaa aggttggcgc 420

cccacaatgg tggcacaccg tgtacaactc ccagtaaatc aaaggggaaa actgctgtaa 480

ggatg 485

<210> 5042
<211> 291
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316056a10b1

<400> 5042

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tgcggagatt acacgctgcc ttgatggccc agctctggtg ctgatgaaga tgaatgctgt 120

ggaagatatg gtcgtgtggg aataagcgag tggtgcatgt accacttaag tggggcacta 180

gtgactgcat ggtgcctaca tgtgatgtgt gcttgtggga atatttctat aagcatgtaa 240

tgtttcgtct gtgttaacgt gaacacacgt gtccgtgtga tttctattgt c 291

<210> 5043
<211> 256
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316056a11b1

<400> 5043

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agcgagagcc taccaccagt acagatggag gctgcagtgc cagcggacgc gaaggcagcg 120

gctgccacga gggaccttct ctcggacgac aaccagttcg tggagttcga gctcggcgag 180

taatgcgatc acacggaaga tcgcgacgaa gctggccagc aaggggagga tgactgggat 240

tatgacaacg tcaacg 256

<210> 5044
<211> 443
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316056a12b1

<400> 5044

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atcagctaga tactagcacc agcatcgatg gcggtggcag cgccggcgga cgcgaaggcg 120

gtggccgcca atatggacct cctcgaggac gacgacgagt tcgaggagtt cgagatcgac 180

caagaatggg atgacaagga agatggcaac gaagctgtcc agcaatggga ggatgactgg 240

gatgatgacg acgtgaacga tgatttctca ctgcagctga ggaaagagct ggagggaggc 300

aacactcaga agagctgaac tatttcccat ccatatcaaa gctgtcgtaa actttatctt 360

cgatcaggca ctgtgtggcc gttgctctct ggacctgcga tactttccta gncatatcaa 420

gctctgatac ttatcttcgg ttc 443

<210> 5045
<211> 321
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316056b01b1

<400> 5045

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aaaaatgaag tgaaaaccga ggcggggtca gtgccagcag cagcaccggc acattaaact 180

tcatgagagc tttattttct taccacaatc ggttttaagt atgttgttga cgataaatcg 240

agaccaagtt ggctggcaag gttaaggagc tgcgctgccc agccaccatg aataatctga 300

acgtggtgta acttttgatg c 321

<210> 5046
<211> 392
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316056b02b1

<400> 5046

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cctctaactg attcgaccaa ccaagactat gatgagctac ggagaagatg agcaagctgt 120

ggaccatgct gagccacctg cacaccctcg aagggcctgg cgtgatgctg ctgttcccgc 180

tgtatgcgtg ggtgcttgcg atggcgagcc cgtcgaagct ggacgactag cagaggctgg 240

cctactggat cctctactcc tgtgtcaggc ttgtgctgat ggtcctcgag tacttcatct 300

actggatacc gacctggtac gcgctgaaga tactgatcgt ggcgtggctg gcgactgtca 360

acttaaggga gcggtcttat atacgacagg tt 392

<210> 5047
<211> 360
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316056b03b1

<400> 5047

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gtagtagtag gtgtaggtgt gccgttttag tggtgatagg acttgtgccg tggattggcg 180

tcatgccgtg ggggagttgg tcaccggagc ttgcaagcag cttctgctga tcaccgttgg 240

agccttctgc tctgcctcca tggaggaggc ctaaggaagg agccgcatct ggcgaatccc 300

cccataataa gatagctggg ccactggaac aaacctggtg gacatactat acttcctacc 360

<210> 5048
<211> 95
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316056b04b1

<400> 5048

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aaaaaaaaaa aaatgaaaaa aatgaggatg agtcg 95

<210> 5049
<211> 413
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316056b07b1

<400> 5049

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gccgaagagg atactgaggg gttcgacaat ggaacacaga gaatgatatg gttgagtcga 120

cctccatagg atcgccacca ataagctcat gcaatcctta tcagtgatga tgcaagtttt 180

ggacaaggat cttcattcat tcgaagcact gatgatgatt taagttagat gtgtgtcaga 240

cgtgctttaa aaccatcatg cttattctgc gtgtaatgtt gtttaatgca tattgatcct 300

tctagttgtg tatctatgcc atgttagcat cggatatgtc agtaatatga tttaaaacca 360

tcgtacttat tctaatatgc atattgatcc ttcagttcag gccagtaaaa atg 413

<210> 5050
<211> 239
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316056b08b1

<400> 5050

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atcgattatg tggtggtgga ggtggctgct gctgcgcgcg tacgtggatc atctgtctgt 180

cgcgcacgct gtaatatttc tncatccgcc gtgcatgatc tatgatacgt gtgtgtgcc 239

<210> 5051
<211> 498
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316056b11b1

<400> 5051

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ggccccgtct ccgttcccat ggcgtccaag cggatcctca aggagctcaa ggacctgcag 120

agggatcccc ccacctcctg cagcgccggc cctgtggcag aagatatgtt ccactggcaa 180

gcaacgatca tgggcccatc ggaaagccca tatgctggtg gtgtatttat ggttactatt 240

cacttccccc cagactaccc attcaaacca ccgaaggttg catttaaaac aaaggttttc 300

cacccaaata tcaacagcaa tgggagcata tgccttgata tcttgaagga acaatggagc 360

cctgcattga cagtttcaaa ggtgctcctt tcaatctgct ctctactaac agacccgaac 420

cccgacgacc cgttggttcc ggagattgca cacatgtaca agagtgatcg tgcgaagtat 480

gagtccacag cgaggagc 498

<210> 5052
<211> 301
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316056c01b1

<400> 5052

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ggtctcagct gaagcgtgca ctgagaaaat ataagcaggc catcaaaaaa gggggggcg 180

cctttcaggg ttccagggtt caccatgtcg ctcggtaagg gaattcattt tttttagggt 240

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g 301

<210> 5053
<211> 506
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316056c04b1

<400> 5053

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ccacagccag gtgcggagga tcaagcggga ggacgaggag acccggaggc accttctcaa 180

gctgcagctg ctggagacga ggccggccgc cgggcaggag gcctcgccgc cagcctcccg 240

ctcgctgtcg ccgctgcggc gtgccgggag cgccataccg gtcggcgact gggcctagtc 300

acctcgcctg cccggccagg cagcgtatac agtcgtatag atataggaga gcgagcgagc 360

tatatatttg agagccttag tacggtcgat cgatgcctgt ccatgctctc tgcgtgcatg 420

gaaccagagc ttatagctga tcgatctagc tgctctacat gctctgtttc agtcgactat 480

tcttcttctt gttgaaatat accgag 506

<210> 5054
<211> 284
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316056c06b1

<400> 5054

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tgccgatgcc cgcatcgtcg gcaagcagaa gaagcgcctt gccgacaagg ccgccgccgt 180

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agctcaatgt ggaacaactg ttgggtttaa aaaacaacgg gtct 284

<210> 5055
<211> 334
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316056c07b1

<400> 5055

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ctagagcacc atggccaagg ctgtggagga cttcatgacg aaagagcaac taatggccct 180

acaccgtttg ctggctcaac aactcaacct ggaaggccgg cacgccggga caaatgacga 240

tggtggctct cacggtggcc aacctcaacg aggtgcttga tcgacacaca ggcctaagct 300

tggcagtgct catgtggtga caacactcct actg 334

<210> 5056
<211> 212
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316056c08b1

<400> 5056

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ccactggatc ttgattcttg ttctgacctg tacttgattt atcgttgtac cggccagtgt 180

atcatggata tagccgccca ttctcacaaa aa 212

<210> 5057
<211> 537
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316056c09b1

<400> 5057

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cgagcgaagc cgtcgacgtg ccgtcgtggt ctccgtggcc atggtcattc ccgagctacg 120

acaagatgcc tagaggcacc gccgtcctct tctacgtcga cttcaaccat cggagcaagc 180

tgggagggcc tcgcgcgtca ccatcgagct catctgcgcc tctgcatcta gacgctcgcc 240

gtcttggatt cggtctcacc ggagcctccc caagcccgct ttgctcatct acaggctcaa 300

catgctggag tccaggagcc agacgccact gtcgacgacg actcctacta cacctgaggt 360

gcctactact acgtgcagcc cgctgatgac gaccaggagt agtttaggag gatcccaggc 420

aggaggcctg cgcctctttc gatctgtacc ccagttggtg ctagccttct taagacaaac 480

ttgtttaact tatgtctgta ctcagatatt ggtgcttccg atgactcgtc tatgatc 537

<210> 5058
<211> 489
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316056c10b1

<400> 5058

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agccctccca agggccagaa gcttcatatc tcttgcaaaa acaacagcaa attcggaaag 120

aaatcgtttg gcaaggtgac gatccagatc gaccgggtcg tcatgctggg gtcagtcgcc 180

ggagagtaca ccctgctgcc ggagagcaag agtggtccga ataggaacct ggaaatcgag 240

ttccaatggt cgaacaaatg acagcatcta cagaattagg cgcccgtgta agttaaaata 300

tataaagtta agagtggttt tcttgtttca catcctctgc taaatgttac cctgtttgtg 360

catcagtgta aatagccggc agagaaagtc gttttttggt tgttgttgtt gtactttctt 420

ctgtgagata aaaacagatg agatcagtct gcttttgtac tgattgtaat ggaccgaccg 480

attcattat 489

<210> 5059
<211> 423
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316056c11b1

<400> 5059

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aagactttct gtgaaacctg agcaatgaac cttctggctt ctgctccgcc tatctggtca 120

tcatttccgt tttggccatc tagtgaattc cttttggtac agggattggc atgtaacact 180

ggttggaaat tcttgatgca agtcccctta taaagtctga catgtttctg tacggaacta 240

ccctgtaaat acctccaagt gcaagggtgt ctcgtttcag atgagagcca gaggattgat 300

ctgggtactg gagcgccttg tagttgttga gcaaaaattt ccctgtaagt gctgaagggc 360

gctcgtttca ggatgagagc cataggctgg atctgggtac tgagcacctt gtagttgttc 420

agc 423

<210> 5060
<211> 339
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316056d01b1

<400> 5060

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cggcaccttc atggccaacc acttcgaccg ccactactgc ggcaagtgcg gcctcaccta 120

cgtctacaac cagaaggctt agaggtggct cgcgtttgct ctgctctttt tacctaccta 180

tcgagaatcg aactcattta gatgtgtccc gtttgtcttt taaactgaaa ccttgagtat 240

catgtttcct gaatatttca tcgcatactg ctgtagtgcg atgcgtgctt aaattttggt 300

gctccgtatg ctaacgaaaa gactgggaaa accctggcg 339

<210> 5061
<211> 443
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316056d03b1

<400> 5061

tcgcccacgc gtccgcgtgc gtgcgtgctc catggtgagg tcgattccgt ctgtttcgat 60

ggaggggagg aggctgcagg aggcggagca tgagcaggag cagcgggagg tgctgctcat 120

tcacaggcag gtgcggagga tcatgcagga ggactaggag accaacaggc accttctgaa 180

gctgcagctg atggagacga ggacggccgc cgggcacgag gccttgtcgc cagcctcccg 240

ctcgctgtcg acgctgtagc gtgccggcag cgccataccg gtcggtgact gggcctagat 300

cgctacgctg cccggtcagg cagagtatac agtcgtatag atataggtga gcgagcgagc 360

tatatatctg agagccttag cacggtcgat cgatgctctg ccatgctctc tgcgtgcatg 420

gcaccagagc ttatagttga tcg 443

<210> 5062
<211> 196
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316056d04b1

<400> 5062

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tggtgcctac atgtgatgtg tgcttgtggg aatatttcta taagcatgta atgtttcgtc 120

tgtgttaacg tgaacacacg tctccgtgtg atttctattg tcaaaaaaaa aaaaaaaaaa 180

aaatagcatg aggaac 196

<210> 5063
<211> 396
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316056d05b1

<400> 5063

atgctgctcc tgctggtact gccgctgaag tattggcggg tcccacgcgt cttttgggca 60

ccactggtta tcctgttcgt gtggacccca tggaggagcc agaaccaaac accctgtgag 120

caaccccacg attggataga ctagagcagg ttgtacatgc cgggactgcc aggccacaat 180

ctcatgatgg aggagctgac tgccttggat aaactgagta aacgtctgtc cgtgggggggt 240

gcgcaacatg acgcgtcatt agaatagccc cgtagggaat cgaatttgtc gggcttctag 300

gcgataagcc tttggagggg ttttcttata ggcgacaggg gctaggcact ggccgtgtaa 360

ccaatggcgc ggtctgaggg aacattggcg cctccc 396

<210> 5064
<211> 461
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316056d06b1

<400> 5064

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cgtcgaccgc cccgccgtcg ttctgaagcc gtccgtccac gccttcgtca ccgacctgcg 120

cgtggtcggc acaaacccac gtggaacgct cttcctggac gacagcgaga ggaacattgc 180

cgtggggaaa gcactcggtc ttcgcacagt cctggttggc aagagggcta ggagcaagga 240

ggcggactac gcgctggaga ccgtcggcgg ccttcggtga gccatcccgg agatctgggg 300

cggtgcggag gacgacggcg agctgcaggc cgaccacaac gtggagaaga acaagagcat 360

gagggccgag ctggactgcg tcatccagcc cacccncatc caggcttgat cgatcgatcg 420

cgtccagatg atctccaatc cagacgctgc ttgtgcatac t 461

<210> 5065
<211> 448
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316056d07b1

<400> 5065

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tgtgacacga agaaggggtg ctgcttcccg gacaccggct agccggcgac ggacttcggc 180

atccacgggc tgtggcccaa ctacgccaag tgcaagaccc gcggcgagct cgacggcgcc 240

ctggagatgg tgaccaagcg caagaagaag tgctggccgg agaactgcaa cagcgagcgc 300

ctcaagctct gggagatcaa ggacctggtg acggagctgg acgccaactg gccgacgctg 360

gcgtgcaagg gcggcaagag catcgagttc tggacccacg agtgggagaa gcacggcacc 420

tgctccaacc tggaccagca cggatact 448

<210> 5066
<211> 362
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316056d08b1

<400> 5066

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gagatcggcg ccgaggaagt cgatgctctt gtaccttgac aagatatggc cggggttgtt 120

gttggtcacc atgaaggaca ggtgggactc gcacacgtac aagcagatga cggacttggg 180

ctgcgacggg ctggggatca actacttcaa gggcaagatc cgcggggaga tcgtcgaggc 240

cctgctggtg gtgaccgtgc acaagatgaa cggctacccg gagaactgag cagtgagggc 300

cacatgctat gcgcgagcat ggtcatgatg acggtgtttg acaccaaatg tccatcgcta 360

aa 362

<210> 5067
<211> 180
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316056d09b1

<400> 5067

tccgctcata cgggggatca taggtaggcc tgcttggttg acagattggt tggcacactg 60

ctcggatcat tacgcgggtt atcataatga ttcagccaca gaacgaaatc atgaaccgaa 120

ttatagccag agacgaagac ctagacggaa tcctagcttg aaacaaaagg acggaccatc 180

<210> 5068
<211> 341
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316056d11b1

<400> 5068

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taattagcaa ctccacgact ggaagtacta gatcatatat atacatgcca aacacgccac 120

ggctcgatct aattattcag caactgacac gattgagaaa actatggatc ggacggacgg 180

caaggcgacc ggcggatgag gcatcatcac cctagccccc taggacttgc tcttgccgga 240

ggcggaggcg gtaggcntcc ggccccggct cccttgctgg cgacgaggtc gtggtcttgg 300

ttcgtgtagc cgtcggcgcc ctcccaggtg aacttgccgt c 341

<210> 5069
<211> 389
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316056d12b1

<400> 5069

tcgggcacgc cttcgaacaa ttatactgcg aaccgacacg aggagtgagt tccaaaaaca 60

aaattagtaa cgccacgaaa aggatgtgct acatcatgct atatacatgt ccggcacacc 120

aggggggtagg ctaactattg aggacccgag accattggca aaactctaag gcccacggcc 180

accgagtcaa cccggagctg aggcatgaga aggatagcca ggtactactt gatattaccg 240

gcagcaaagg cggacgcgcc acacaggggg ccctcgacgg caagaagaac aacgtccttg 300

gccagagata gccaatggga tccgttatgt gaacctgatg atgtggacag tatatatgat 360

gcaagattac tgtgccatgc gtgcgagct 389

<210> 5070
<211> 436
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316056e03b1

<400> 5070

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gccgttgtct tgacattggg ggcccaacat acaccagacc taatgggttc gctcctcagg 180

tcatttgatg cactactggt tccctgtggt ccgatggcgc tctcaatgta aaatagagcg 240

agttgtatac caacctggta cgctaccctt ggatacacta tatgctatac tagtatctgc 300

cagtgatctc atctgacaag gcttacgatg agcagatatg tgtcgatgtg atcaccaaca 360

acgacttcag cccttgctcc atgatggtca agagtgacac ttgccaccgc atgcacatgg 420

cctgctgcct catgta 436

<210> 5071
<211> 395
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316056e07b1

<400> 5071

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gctgatggat aggagggatg aggtttgctc cccacaagag tcgttatcat cgtactttgg 180

gaagatgcct attttgccga ggatgtcatg aagcacgatg aacttgatgt tcttcatcgt 240

tctcttgggc aacatctccg ccatgatggc ggcccggggg ccagaaacga acaaccggtg 300

catgctgggt cgcaccgtca ggagcatctt gatggacaga ctgatctaga tcgttaattg 360

ccgtttacac acaatgggct gattgagaaa accgt 395

<210> 5072
<211> 235
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316056e08b1

<400> 5072

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tgcagagaga caagaacaga tgaggttact agcgaacaag aggcgtcatc atgcgggctc 120

cggggtgact actttttgc tgaggagccc acgccgtacg ctgacctgat tgccctgcgg 180

cgctttcttg gttaacaagt cggctatgta tgccatgccg tccgggacga tcgaa 235

<210> 5073
<211> 358
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316056e09b1

<400> 5073

tgttcgggcg ctcgggctgg cgcagatggt gggggggctg gccggcggcc tccactacta 60

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cgccgtgtac gccgcgtgct gagtcatcat ctgcgcgtgc gcgcgagctg agaagaggaa 180

gaaggtctac ctcgccggct gccgaggagt ggaagaagag ctgagggatg aaagcttttt 240

ttaggggctt atgtgcaaac attaaatata gtgaaagcca aagggcttgg ctataagatg 300

ggaggagggg gtaattagaa gatcatggag tacaagaaga gaaaggaaaa ctattctt 358

<210> 5074
<211> 92
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316056e10b1

<400> 5074

tcgcccacgc gtccgaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 60

gaaaaaaaaa aaaaaaaaaa aaaaaaaaca aa 92

<210> 5075
<211> 369
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316056f04b1

<400> 5075

ttgtttatac gtccgggtga ccggaggcgg ggtgggtgcg gttacttcga ctcgcccaca 60

agatcgggcc catcggcctt tcctccaaga agatcaggga ggacatcgtc aaggagacgg 120

acaaggactg gaagggcctc cgcgtcaccg cacaagctga ccgtacagaa ccgtgaggcc 180

aaggtgtccg tcgtcccttc agtcgcggtg ctcgtcatca gagtgcctca aggagcccgc 240

tagggacagg aagaaggtga agaacatcaa gcacaacggc aacatcagcc tggacgacac 300

tcatcgagat cagcaagatc atgaagtcca ggtccatggg caacgagatg gccgggactg 360

tcaaggaga 369

<210> 5076
<211> 291
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316056f05b1

<400> 5076

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acggtgacgg tcgtctcggc tagatgatag cgaccacgac catggttgtg gtgaccttcg 120

gcacccaccg tcctgttggg caataccctg tgcgtgacaa gagacaaacg gttgctgttc 180

gtgccattaa gggcctgtag aagaatgacc acaccggcgc caaggatacc aaggctgatc 240

tgatgaacaa attggctggc tattgagccg catgttgcag tggaccatca t 291

<210> 5077
<211> 370
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316056f06b1

<400> 5077

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gtggcggacg gccatgacca ccgacatcgc gctcgtcgat ggttactgtg gccacgccga 120

gccatgcttc gttagggcgt tctactgggt gctagattag acatacggca tgtgcatgac 180

ggagagtggg ttcaacaaga cggggctgcc gggcgccatc tggtactaaa ggtcgcccta 240

ctacaaggtg ggcagcgtac tgagcataat ggtgctctcc gccatcatcg ctcttgtcgc 300

caacctctcc ttcaacgtgc cagcagtgct actgatgggg aacgaggtgg ggaccgctgt 360

ggctctgatc 370

<210> 5078
<211> 294
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316056f08b1

<400> 5078

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aagctcatcc ttgttttact gcgccagtct ggagggatga cgaggtgttt gggctcctga 180

tatgtctggg ttgaactgat gctttgggga tgcccaccct cgtaacatga agaacattat 240

ctgcttttct tgaaggttgg atattcggtt tatgaagaca tatcgtctat tctt 294

<210> 5079
<211> 369
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316056f10b1

<400> 5079

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taactagaga ctcattgtgt cgcgccatcg gggttgaatc ttaggagttt tagctgcact 180

tttattatta ttattaggga tgaattgagt ttagttcgtg agtcaagtgt gtgtgacctc 240

gtgggcgctt aataaaaagc aagcatgtgt ggtgattttg gttgcggtct ttgtgtaagg 300

aggctactga ttgttgtagc cttcacccaa actttatcag agtctttaat gaatggacaa 360

gttcatcaa 369

<210> 5080
<211> 167
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316056g01b1

<400> 5080

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gtttgaaccg accctatata gatatatctg tgtcaggtaa gaaagatcat ggaaagatag 120

ggtcatcacg gttgtggggt ggatccgatg acgaaagaag agctgat 167

<210> 5081
<211> 504
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316056g02b1

<400> 5081

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ggttgaacgc gacgggcgag tttttccggc gccgtgacga gtggaggagg cacccctatgg 120

tggggaacca gctgcgccac gccactccgg ggctaggcat cgccatcgtc gcctttggga 180

tctaccttgt cggcgaggcc gcctacaacc gactctaccg ncccgccgga gacaaccacc 240

actagatctc ccccagaggt aaagtagatg gagcaaactt taccgaagca ccaatgactg 300

atcttttccg gattgatctc ataaggtctg catgaccacc ttgtaattcg cgatcaggag 360

acgtgctgtt ggttcaacta gttttcctgg aacgcgtgtc ctttaaatct gatactattt 420

tgtggatata ctcggcatct ggacatggca ttngtttttt ttctttttga ccctaggacg 480

tggcattgtg gttcttacat tact 504

<210> 5082
<211> 160
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316056g05b1

<400> 5082

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acatcactgt gtttctcatt tacgtcagca aatcaaaagt ctgttcttgt tgggcactag 120

attattaaac tctctgtcat gtgaatgtgg ttgttgctgc 160

<210> 5083
<211> 487
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316056g07b1

<400> 5083

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gaacgcggcc cccgccgcgg cggcgggccc ccggctcacc cgtgccgcgg ccaagcgcgc 120

cgccacctgc tccgcgggcc cctccggcgg cgccaagcgg aagcgggtgg cgctcagcga 180

gctccccatc gtctccaacg cgggggtcgt cctccgccag ccctcgaagc ccgccaagcc 240

cgcggctgcg gccgaggggg aggagcagca cgggggcttg agcaggggcg cgtccacctc 300

gccgaccccc gtcgggaggg aggtcagcgg cggcggcggc ataacccagc tcagcgggtc 360

ctacgcctgc gacatctaca cctacctgcg cactatggag gtggaggcgc ctcgccggcc 420

ggcggcagac tacatcgagg cggtccagac ggacgtgacg gccaacatgc gggctatcct 480

aatcgac 487

<210> 5084
<211> 321
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316056g10b1

<400> 5084

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aacaacgtgc gcgtgaacga ctatggcctg gcccagcagg tggcgctcac gctcgaccag 180

ggcaacggcg gctccggctt cagctccaag gacaagtacc tctacggaga gttcagcgtc 240

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ggggagggcg acggccatga c 321

<210> 5085
<211> 391
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316056g11b1

<400> 5085

tcggtaacaa ctagaaaccc acacgcgcga gaggaccata aaacaaacat aaccagaagt 60

cacatggcca cgtccatgat gaccgacaga acgcacaact taccgggtcg gcggctctca 120

gggttcctag attccttgcg ctggagtgca tggctaatag ctgaactata gggccacctc 180

taacaaatgc acggacagcg gtacccagca atacggctgg gaaagccatg gggtgaccaa 240

acttaaatgg tttgccatct atccgaggat ctccatttcg cgagaactca tataggccat 300

acacgatcgt cttaaccaac attggcacgg caaaaccggg gattggaaca ccccttgtcg 360

agggacatat accccgtccg tcaggtgggt t 391

<210> 5086
<211> 197
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316056h01b1

<400> 5086

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gacgtcatcc atctgctata gggtactcta agtcaaatga actgcttggc tgtctcaact 180

atctagactt ggcaaaa 197

<210> 5087
<211> 462
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316056h04b1

<400> 5087

ttgctccaat cccctccaat cccaccttcg gaacagcagc cagcaagcgt agccagccat 60

gtcgggccgc ggcaagggag gcaagggcct gggaaagggc ggggcgaatc ggcacaggaa 120

ggtgctgtgc gacaacatcc aggggatcac gaagccggcg atccggcggc tggcgcggcg 180

gggcggtgtg aagcgcatct ccgggctcat ctactaggag acccgcggcg tgctcaagat 240

cttcctcgag aacgtcatcc gcgacgccgt cacctacacg gagcacgccc ggcgatgacc 300

gtcaccgtat ggacgtcgtc tacgcgctca agcgccaggg ccgcaccctc tacggcttcg 360

gcggctgagc gcggttcgtg cctcgcgtgg gatttagatg tggttaggcg ggtcgtcgtt 420

ctgaggtgtg ctatgcctgt gtgtgcgtgt gcagctgcgt gc 462

<210> 5088
<211> 485
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316056h05b1

<400> 5088

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accatgaggc cacacgtgct gctcgccgcg ctggccgacg tggtcatact aacagcagct 120

gttgccctcg cccacgggca aggggcgacc ccaagcgcct cgccgtgctg caacaactgt 180

ggcacctgca ccaggaacat cccggccagg tgcacgtgca tggacccgta gacaagcggc 240

tgctacccgg cctgcaagac ctgcgacaag ttcaccgtcg ccggccaaga cagctttcag 300

tgcaaggacc gtgtagccaa cttctggcag cacagctgca ctaacgccgc gtgactcgac 360

ctgttgatac cagaataatg ccagttagct tgagctttta ctgtgcttct cgcagtattt 420

gagagaaccc tctgcatctc gctatggtag ctagatgcag agacgatatg gagttggatg 480

catgc 485

<210> 5089
<211> 296
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316056h07b1

<400> 5089

ttgaaaagtt tcatttttaa atttgtgctt ctggaactgt ttgggaatgg agacttgatt 60

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tgaaggatga tagtctgtac tgcataaaaa caaaagaact gactggccgc ctacactcgc 180

tggaaaggaa aaaagatgca gcttgataaa ctaattgaga cgaaagaaag aacaaccttt 240

tctaaatgga gaaaggggggg gggggttttg aggaacccag gtttactaac gggggt 296

<210> 5090
<211> 413
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316056h08b1

<400> 5090

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cccaccgggc ggtatgtcgg cacctctgac ctgcagctgg agcgtgtcaa cgtctactac 180

aatgaggcct catgtggtcg ctttgtgccc cgtgctgtcc ttatggatct tgagccgggc 240

accatggaca gtgtccgtac tggaccgtac gggcagatct tccgccctga caactttgtg 300

tttgggcagt ctggtgctgg taacaactgg gccaagggtc actacaccga gggtgctgag 360

ctcattgact acgttcttga cgttgtcagg aaagaggctg agaactgtga ctg 413

<210> 5091
<211> 389
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316056h09b1

<400> 5091

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gctgacccaa acaggggaac ggccgccttg cttgagctag catagaggtt gtctgagcta 120

caaaacatgg gttggagacc ttgtcgaacc atgattttgt gtaattggga tgctgaatag 180

tacggcttga taggttccac ataatgggtt gaagagaaca gggcaatgct aactctcaga 240

actgatgctt acctgaatgt agatgttggc gcgggtgctt ctggagttga cgcatcaggc 300

actcatcaac ttgatgagtt gctcaagcag gcgagtaaaa aggatcaaaa tccggataat 360

ggaacagtta gtctgtatga ctcgtggat 389

<210> 5092
<211> 538
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316057a02b1

<400> 5092

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gacgtatatg atcctcctgt tacttctgac tcacacacag tgaagccgca ccagagaagt 120

tcaaggaaga gccactacaa atacaagccc ccaaagggca gcagcagcag cagcagcagc 180

cgcactagca gtggcagcaa aaaggacaag aagcattctc accacagcag cagcagcagc 240

aaaagagata agaaaccttc ccatcgcagt agcaatggtg gcagcagcag aattgacact 300

agtgatcctc aacatcggaa ggcatatggc agcatcacta gcagcagaac tgacactagt 360

gttcctgaat atcataagtt atcaccgtgg cagccaccgg ctagtgccgc agtggaagaa 420

gccataccta ccgtacctgt actgaaggcc atggaacaga tcaaacgtag ttccagctgc 480

tgcaaggagc cgtcgataag catgaaggcc atggaacaga tcaagcgtag ctccagct 538

<210> 5093
<211> 342
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316057a03b1

<400> 5093

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cctccgcggg atgctcgccg agggcgactt cgacggcgac ggcgcgctct cccagatgga 120

gttctgcgtc ctcatggtca ggctcagccc cgacctcatg gaccagcccc gccggtggct 180

cgacgacgcc gtcgcccagg cctcccactt cctcttcacc agctagattc cggccggata 240

ggaaaattaa tcttcttctt cttcgttgtt gtttcttctc tcccccgctg ttcatagagt 300

caggattcga gaaaagaaaa ggcactgtcg attggttgaa tg 342

<210> 5094
<211> 236
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316057a04b1

<400> 5094

tctcttatgc caccactcca tatcgctgcg agtgggagcc atgagacaaa cagccacgtg 60

ctggctggtg ggggaccctg atgagcatat gcacatacaa gtggcgcatg atggatcact 120

gggggcgttg ataaatactc tacgtcctct tccaaatgaa tgacatgact ggcggctagt 180

cttcatatta tggcaactta accgaaaatt actgctgacc gggtcagaaa gaagaa 236

<210> 5095
<211> 86
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316057a05b1

<400> 5095

acgcgtccgc ccacgcgtcc ggtgtgctct cggcgcaatc acgtcgcgtg cgctgttacc 60

cgctcgcctc gcttatgagt cgcttg 86

<210> 5096
<211> 251
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316057a06b1

<400> 5096

ttgtttcctc cacaatcaga gcaagcgagc gaccaagaaa ccatcacagc gaccatcatc 60

ttctctgcct ccatggcggc gcaccagcag cagcaaccgc agcaggcggt ggggttcgag 120

gactacctgc cggtgatggc ggagcggctg ggggaggagg gcctgatgga ggagctggcg 180

gcggcgttcc gactgctcat ggacccggcg tcggacctca tcaccttgca caggctccgt 240

cgcaacgcgc c 251

<210> 5097
<211> 365
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316057a07b1

<400> 5097

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gatgttgccg tggttgagcc cagtcactga ctaatgaata tctttcagcg ctctcttggg 180

cgccatcaca acaatgtcat cgtgacgggg gcctgaaccg gacgaacgaa gcaagctcgc 240

tcgcacggcc tctacctgta ggactggata gactgcactc ggtcttcaac ttgcccttcc 300

actcactggg acactacagc gtctggtgct ctgcagcggc gtcgcaacat attcaccaca 360

tgcaa 365

<210> 5098
<211> 462
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsro9316057a08b1

<400> 5098

tcggatgttc agtcatcggg tgctagttct tttataccta tgtataatcg aacttttgt 60

agattgaatc ggttgttcta tacgaacaat cctggagatg ctttggtctc acgtgctcct 120

gatattgcaa aatttcaact ggaaatagat agttcatctg gcaactttgg tgcaacatct 180

tctctccata gatgtgcatc tgatgacttc catttctcgt tttggttagg agttcccacg 240

atgggatggt tacaaactta aagtccaagt gactataaaa gaaacaacaa aaacatagta 300

aaatgtataa aattacgcag ctttcccccc accactggtg gggggttttg gagctgaccc 360

cttaggaaaa caattcttcg attgtttgct agatacgtta tgagacggac ctgtttaagg 420

ggccgttcca tttctgaagc taacaaactg taagtcgttg at 462

<210> 5099
<211> 260
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316057a11b1

<400> 5099

ttttgccggc tgcgtcataa ccgacgagtg cgcccagcag gtgtccacag agtcggtgtg 60

gacggtggtc ttctccggcg aggacacggt cggcctgccc gaggcctgcg cgggcttcat 120

cgacgccggg gacgttgagg gcgacggcgg acccggcagc gtattcacca tgacgctcag 180

ctcggtggca gaagagctcg cacgctcggg cgtgatgagg agccacctgg aggaactcga 240

caaccccgcc gggtgctaaa 260

<210> 5100
<211> 272
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316057a12b1

<400> 5100

ttcttaaaaa caaaaaaaaa aaaaaagtga gaaaaaaatg attaaaacaa caccgataat 60

tctgaatgaa tgaacctgat gagtttgtgt tcgttacaac tggcgtaagt atggtcttta 120

ggggccattg atactttgag gggggggggcc tgttttaggg ataccatgtt tgccccccctt 180

cgcttgctgg gtgaacatct ttttttgggg tgcccaactt aaaatgacgg gggcggtttt 240

tgtcatcctt gtggtgggga aaacccgggg gg 272

<210> 5101
<211> 494
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316057b01b1

<400> 5101

tcggtggcca gaaggcaaca acaaagtgcg cgtgagaaat aagcggtgct tgccaagcag 60

agagagagag agagagagag atggcggcgg cggcgacggc gacgactaca gcggcggcga 120

cggcggcggc ggtggggccg ggggaggtga tctccgacca cagcctggag cagtggacca 180

tgcagatcga ggaggccaac gccgccaaga agctggtggt gactgacttc actgcatcat 240

ggtgcggacc atgccgcatc atggctccaa tttttgctga tctcgccaag aagttcccag 300

ctgctgtttt cctcaaggtc gacgttgatg aactgaagcc cattgctgag caattcagcg 360

tcgaggccat gccaaccttc ctgttcatga aggaaggaga cgtcaaggac agggttgtcg 420

gagctatcaa ggaggagctg acgaccaagg atgggctaca cgcggctgcc tagtaatcac 480

ctagcggagt agta 494

<210> 5102
<211> 388
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316057b04b1

<400> 5102

tgttgacgcc gccttacaag atgttcaacc agacgctgct ggatctggga ctgcaggtca 60

ctcctgtcaa cgactatctg tacgagacgg tgcatagcct gcacgaaaag gggcacctgc 120

cggtgcaccg gaaagatgtc ctcccagagg cactggacag ccaacagcgc gaaggtgctg 180

gagcaacaac gcgggtcacg ttaagctgta tcgctgcggg acatcgaacg tggtccgtct 240

ggggatacat tctatctaat atagtgttgt ttaagtgaac tacacaaatt ggttatgtgt 300

cggcttagat ggacggcact taaaagtgag ctctcgcaaa ctattcattg gctttgttgc 360

caggacttct tttttattga tgcagtgt 388

<210> 5103
<211> 462
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316057b05b1

<400> 5103

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ggactacctg ccggtgatgg cggagcggct gggggaggag ggcctgatgg aggagctggc 180

ggcggggtta cgactgctca tggacccggc gtcgggcctc atcaccttac acagcctccg 240

ccgcaacgcg ccgatgctgg gcctgggcgc catgtccgac gacgacctcc gcggaatgct 300

cgccgagggc gacttagacg gcgacggtgc actgtcccag atggagttct gagtcctcat 360

ggtcaggctc agccccgacc tcatggacca gacccgtcgg tggctcgacg acgccgtcgc 420

ccaggccttc cactttctct tcaccagcta ggcggagcat ct 462

<210> 5104
<211> 238
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316057b06b1

<400> 5104

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gtacaagtct ggtttctgca tctacatgca tgtagctctc gctaagtatg tgcgctgcgt 120

gctactgtat aacgttgtgg gtgtgcttaa ttatgttagc tggtgatatc tggctctgtt 180

aagtttaaag ttccttaagt catgtatgtc tgtatgatga tcaataatgc agatgagc 238

<210> 5105
<211> 381
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsro9316057b07b1

<400> 5105

tcggcggccc aggcatagcc ggctcgtgcg ttcataccta tgcataatcc acctctgtgg 60

ctactgaatc gcctgttcta tacgaacaat cctcgagatg cttaggcatg acctgctcct 120

gatattgcaa aattgcaact gagaatatat cgatcaactg acagcttggg cgcatcatct 180

tgtttgcata gctgcgcaac tgatgactta catctgtcgt tacgaataga agattccacg 240

atgggatggc tacaaactta aggtccactt gactataaga gacacaacat agacattgta 300

caatgtataa cattgcccag attgcccaac accactggtg gggggacttg gagctgaccc 360

cttacgaaaa catttcttcg a 381

<210> 5106
<211> 448
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316057b09b1

<400> 5106

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cgacaacggc accttaagga tcaagctccc ctctggtgcc aagaagattg tcccaagcag 120

ctgccgtgcc atgattggtc aggttgctgg tggtggcagg actgagaagc caatgctcaa 180

ggctggtaac gcctaccaca agtaccgtgt gaagaggaac tcgtggacta aggtgcgtgg 240

tgtggccatg aaccctgtgg agcatcccca cggaggaggt caccaccagc atattggtca 300

cgctttcact gtacgccgtg atgcaccacc tggccagaag gttggtctca tcgctgctag 360

gaggactggt cgtctcagag gccaggctgc cgtctatgat gccaaggccg acacggccac 420

ttagagctat cattgctgtt tatctatg 448

<210> 5107
<211> 325
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316057b10b1

<400> 5107

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gccgccgagg aggagcaggc gaccagacgc catggcccgt accaagcaga ccgcccgcag 120

gtccaccggc ggcatggcgc cccgtacgca gctcgccacc aaggcggaca ggaagttggc 180

gcctaccacc ggcggcgtga agaagcccca ccgctgcagg cccgggaccg tcgtcctgcg 240

ggagatccgc aagtaccaga agagcacgga gctgctgatc cgcacgctgc cctttcagcg 300

cctggtgagg gagatcgccc aagac 325

<210> 5108
<211> 126
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316057b12b1

<400> 5108

atgccacgca ctccaatcgc tctgaggggg ggtgttggga caaaaatcca tgtgctgcat 60

cgtgtggtgc tctgacgagc acattcatac acatgttgtg cctgtattta taactggatg 120

cgttga 126

<210> 5109
<211> 328
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316057c01b1

<400> 5109

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gccatggttt atttgcgccg gagtacatga tcaaagatga actgatggac cccctaatca 180

agctgattga acagctgaac ccagatgtga gactggcgga gactgactga agaactagca 240

tcttcctgtg gcagaacaat cataggatgc tagatgacgc gatgactaaa ataggcacta 300

accttcggtt tacaacatag tgactgat 328

<210> 5110

<211> 405
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316057c02b1

<400> 5110

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cagatacaca cacacctgcc ggcgtccgtt gctgcatatt tcgatggagt gcgagaacgc 180

acacgttgcc gccaacggcg atggcttgtg cgtggcgcag ccggcgcggg ccgacccact 240

caactggggg aaggcggcgg aggagctctc gggtagccat ttggaggcgg tgaagcggat 300

ggtggaggag tacccgaagc cggtcgtgac gatggagggc gccagcctga ccatcgcgat 360

ggtcgccgcg gtggctgccg gcagcgacac cagagtggag ctgga 405

<210> 5111
<211> 163
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316057c05b1

<400> 5111

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ccatgtgatg tttgatggct tgctatatat gtgatggatg atg 163

<210> 5112
<211> 477
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316057c06b1

<400> 5112

ttttatcccc aaatcgcaag atcaaaccct agactcgccc cacagtttct tctaggtcgt 60

cccaaatcgg agaagataga agcctaggta tcgaagatgg cagatccagt agcggatcca 120

gctgctctgc caatcgtgcc ttgtccggat tgcggcagga acgtggtgac ctacgttgct 180

aggcgtgggc agaacgccgg tcagcgtttc tacaagtgcc ggaatcacaa cccttcagcg 240

ggcggatgcg atttctacag gtggcagcaa ggctatgtgg cgcatctcgc caatcttgaa 300

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caagctcaag ttgtgcaggc gctacacggc cagcccgtgc agcaaaatgg gccgccggag 420

gcgtcgcagg ctgcatcgtt tgcaagtgct gtcgcaggat atatgctcgc ggctgct 477

<210> 5113
<211> 381
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316057c07b1

<400> 5113

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ggccatcggc atctgcgcct ttagcctctc ttggcaacat caccggcgac ccagaagtca 180

tgatcaacaa gatggggagg gcagcgggag tgcttgagaa ccatgaggag ggcaggcgct 240

acgcctagca cggactaaga gcctatgtgc aggacaagac ctgcgagatc atgccaggaa 300

tcaacatgtt ctctaccagg ccagagtgaa gcactttagt ggtgctgtga ctgctaatta 360

gtaactggtg tgggcaagtg c 381

<210> 5114
<211> 382
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316057c08b1

<400> 5114

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gaagaagtgt ggagcacgct gctgctacct ggtcacgctc tcagcagtgt gaattcccag 120

aagcatgctt gccgtgcctt gttacgggtg caccggatgc tggcatgtga gcagggatgc 180

ttcagtgatg caaaacaaaa aaggcaagtc ttatcggcaa gggaaggcta cgcacttctt 240

ccaggtctcc ctgtcttcat ctaaatctgt gattggagga gggggctacg ggtagcttac 300

ccaccggttt actgcgtcct tgtgagttgt gatcattatc atgcactcgt cagttgcttg 360

tcatgtatgg tgttcttgaa tt 382

<210> 5115
<211> 440
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316057c09b1

<400> 5115

ttgcccacgc gtacgtgtta atctcatttt tgttggaatg ctagtaaccg gaatgtacag 60

tttgaagtac ataaatgttg ccatggtgac gatattgaag aacatgacaa acattttaac 120

ggctgtaggg gagatatatg ttttcaggaa gtgtcagaac aaacaggttt gggctgcctt 180

atgcatgatg attatattag ctggcagcgg tggtatgaca gatctttctt tccatttaat 240

cggttacgcg tggcagattt tgaattgctt tctgacagca gactattacg ttacactgag 300

acgcctgatg gacacagtca aacaatcaac tgaattgggt tttgtcaatg aagtttctat 360

ggtgttactt aacaatgggg tctacatccc tttcgaggac attttgatta ttgtcttgaa 420

ccagtgggaa tacgtgtacc 440

<210> 5116
<211> 414
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316057c10b1

<400> 5116

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aggagcagtt tcaattgcac ttgcttataa caagtttaca acatctggtc atactgctgt 120

gcgagttaat gctgtcatga tcaccagcac aatcattgtt gttctgttca gcacaatggt 180

tttcggcttg ctgactaagc ctctgattaa tctcctcatc ccaccaagac ctggcaccgc 240

agctgatatc tcaagccagt cattcctaga cccacttacg gcgagcttgt tggggtcgga 300

cttcgatgta agccagctca ccctccaaac aaaccttcag tatcttctca ccatgccaac 360

tcgctcggat catcgtgtat ggcgcacgtt cgatgatcag ttcatgcccc catg 414

<210> 5117
<211> 353
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316057c12b1

<400> 5117

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ggcagcaccg cagaagcggc cggacgacac ggaggagtaa agcggccgaa caaccggaga 120

aaagagggca cccccgaggc caatggaaaa cagaggagga gagcgggaca aaagaagcac 180

agagcgcccg cctccagaag aaggggggaac aacagaaccg agaagacacg actgacggcg 240

acgaaagaag aacgggagcg ccgagaggca gacccgaaag aggagcacga agacacgagg 300

acaaagcaag gcacgggccg gaagcagaca acgacacgag agagaaaacc cag 353

<210> 5118
<211> 285
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316057d01b1

<400> 5118

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atattcacgt acacgatctg ccgggagtcg gccttgagcg gctaacggac gatcagtggc 120

cggatacgca cactggggac gaagaacgga gcacaatact acatgcgagt gggatggcgc 180

acacgtagtc ggcagctgat accgtctgga cgtggaacag ccgatacgga ccgaccgatt 240

caactgagcg atcactgaca tggagcttat ctgtatctat ttgga 285

<210> 5119
<211> 353
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316057d02b1

<400> 5119

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tacacataca ccacctgccg agtgccgacg tctagctgct aactgacttt cagaagccag 120

agacacacac acctggcggc gtccgttgct gcatatttca atggagtgcg agaacgcaca 180

cgttgccgac aacggcgatg gcttgtgcgt ggcgcagccg gcgcggaccg acccactcaa 240

ctgggggaag gctgaggagg agctctcggg tagccatttg gaggcggtga agcggatggt 300

ggaggaacac cgtaagccgg tcgagactat ggagggcgcc agcctgacca tcg 353

<210> 5120
<211> 300
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316057d03b1

<400> 5120

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gatggcgatc aataggagca aggacgagaa gacgaacgag tacgaccaga ggctctctca 180

gcttgttggg ggaaacacca aggcgcgtat taccgacgac gacgacgaaa gaacaaatga 240

tcctcagggg agccgcaagg gacgaggagg ctgatgcaac gagctcatgg gcaagaacat 300

<210> 5121
<211> 429
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316057d05b1

<400> 5121

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cgcgctcctg cagagggcgt gcggtgggcc cgtggtctac tgcgccgaca tcggcgcgct 120

cgccgtccgc gactcctgcc acctggccgg tgggccaagg tacgccgtac cgctcggtcg 180

ccgcgacggg ctaacccccg cgtccctgga caccatcttg ggcgcgctaa cgccgacgac 240

ctccaaggtc cacgtgctcc tcagcttcct ggccaagatc ggactcgacg cctacgacct 300

ggtggcgctg tccggtgcgc acacgctggg gatcgcgcac tgcggctcct tcgaggagcg 360

gctgtctccc aaggaggacc ccaccatgaa caagtgggtg cgacggccac ctcaagctca 420

cctgcccgc 429

<210> 5122
<211> 249
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316057d06b1

<400> 5122

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cccgctcctg cagagggcgt gcggtgggcc tgcggtctgc tgggcccaca tcggcgctct 120

ggtggtctgc cactcctgcc acgtgggcca tgggccaaga tccgctggac cgatgggtct 180

ccgcgagggg ctaacacccg catccctgga caccatttgt gggcgcgcta acgccgacga 240

cctccaagg 249

<210> 5123
<211> 267
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316057d07b1

<400> 5123

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cagatgccat gcttgccggg ccttttttccg ggtgcaccgc acgctgccat gagagcaggg 180

ttgctctaga gacgcacaaa aaaaaaggca agtatgatac acaagggaag gctactgctt 240

tattccaagt gtaaatggat gcatata 267

<210> 5124
<211> 497
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316057e01b1

<400> 5124

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tggggcgcgc aggtggcgtg gcatttctgc ttgttccggc cggaccgggt gcgcgccgtc 120

gtcgcgctgg ggatcccgtt cttcccccgc tcccctcgtt cgatggcgga gatgttcgcg 180

gcgcgcggcg atgggttcta catcacgcag ttccaggagc ctggaagagc tgaaaaggca 240

tttgctcggt acgacgttgc gactgtccta aagaagttct actccattga attagatgac 300

cttgctgctc ctcctggagt agagattata gatttttttcg atgtgtcatc atccccactt 360

acttggatga ccgaggaaga actgggccag tatgctgaga agtttcagaa gtctggcttc 420

accggacccc tcaactacta ccgtaacatg gacacgaact gaggcttact gcaccctggc 480

acgctgcata gatcaca 497

<210> 5125
<211> 467
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316057e03b1

<400> 5125

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tcgtgattta actagcggat gctctccttt tcggagtacg tacgtagtaa gactagtagt 180

agcagagtga tcctgattat acttgagcta gctgccgcat ggcatttctc atcacggtgc 240

gcgccaaaaa gaagaagaag cagctggaac gaatgagcat cacacatctg agcgccatgc 300

gtcgcggccg atcgaaattt cgcgggaacg tgggcgtggg ggcgagcaga acagagcggg 360

aacagaggag ccaccgacgg gctggctcac atgaatctcg ggccggccga tgtggtggcc 420

gccgcggtgg tcgacaccat catcatgcgc gcgaagtcct ggaagcc 467

<210> 5126
<211> 434
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316057e04b1

<400> 5126

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ccgtgtgcca ccttgacacg ctgcggagga gcccgaagaa cccgatcttt gagctgcaca 180

ccctgaagcc gggggatgtc gacgtgagcc attagcttac taagctcaac atcatctggg 240

tgcgtgcagg tgagcagggt gacacacatg cgggaggcca ttagaagagg atacacgtgc 300

acctgtgtgg gctgattgtg tgagccgtga cacatacatc ggaccatgat atgggtgaat 360

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tacataatat gtga 434

<210> 5127
<211> 160
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316057e05b1

<400> 5127

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gcgcatgagt atagttgtaa cttgtgaatg cgcgaacttc 160

<210> 5128
<211> 451
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316057e07b1

<400> 5128

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gtggaagaag aagaagtgtg gagcacgctg ctgctacctg gtcacgctct cagcagtgtg 120

aattcccaga tgcatgcttg ccgtgccttc ttccgggtgc accggaggct ggcatgtgag 180

cagggatgct tcagtgatgc agaagaaaaa aggcatgtct tatcggcaag ggaaggctac 240

gcctttcttc caggtctacc tctctccatc taaatctgtg tttggaggag ggggctacgg 300

ttagtttacc caccggttta ctgcgtcctt gagagttgtg atcattatca tgcactcgtc 360

agttgcttga catgtatggt gttcttgaat tttcagctac ataatggtcg gttgtgtgag 420

tgaatgataa ggtgttcttg aatgctcatg t 451

<210> 5129
<211> 395
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316057e08b1

<400> 5129

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cgtcgcaaac cctcgttcaa atccgccgaa tcccgcgacc caggaaccaa ggtagatcga 120

tggcgaagag ctcgttcaag ctggagcacc cgctcgagag gaggcaggca gaggctaacc 180

gcataaggga gaagtactct gacagaattc ctgtgatcgt tgagaaggct gggaagagtg 240

ctattcctga cattgacaag aaaaagtacc tcgtccctgc tgatcttaca gttggacagt 300

tcgtgtatgt cgtacggaag cggatcaagc tcagtggtga gaaggcgatc ttcatctttg 360

tgaagaacac tcttgcacct acagctgccc tgatg 395

<210> 5130
<211> 418
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316057e09b1

<400> 5130

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ggaatgtggc gctgcgcgga tatgaaattc accgtcgacg gcacctgcgg tgggccctgc 180

atgaagtact gacaggctca tgccagcatg atatgtaccg cctaaaatga aataaaagct 240

cacacgagaa gagcagcgtc atggtgccta tgcgtgtgtg agtggtcaac aaatatgtat 300

accagtatgc cgtgtctttg tagatgtgtc atctatctcg agaaaaagtt ggtgttgctt 360

gctgttcaca tatccggaat atacttcgtg aataagttat gattgtacgt gggcggcc 418

<210> 5131
<211> 287
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsro9316057f02b1

<400> 5131

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tcaggaggat cgtcggagat gtcggacacc gatgagcacc acttcgagtc caaggccgac 120

tccggcgcct ccaagaccta cccgcagcag gccggcgcca tccgcaaggg tggacacatc 180

gtcatcaagg cccgtccctg caaggttgtt gaggtctcca cctccaagac tgggaagcat 240

ggtcacgcaa agtgtcactt tgttgccatt gacattttta atgggaa 287

<210> 5132
<211> 227
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316057f06b1

<400> 5132

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cccccgggat gccagcaaat gggtccacac ccggacgtgc taacaagagc gcatgcaccc 120

ttacctcttt taccatggcc tcttaatcaa gcaaagagta cgaatttgcc tcattaacgc 180

aaggaatgta gtcgaagcga tgaatggctt tgaatacttg gagatgg 227

<210> 5133
<211> 258
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316057f07b1

<400> 5133

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gcactcagga ggaacctgct gagataccag acagccatca tgaccactga gggggcgttg 120

atggacatcg attttctaag acgtactcgc tgaagatcga tcgcatgacc aggggtggac 180

acttgattat caaacaactt ccctgtaatg ttgtagtgga atcaacgaac aaaaatgtga 240

agcttctgct cgcattgt 258

<210> 5134
<211> 504
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316057f10b1

<400> 5134

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agcacctcgg cgagatgggc gccgccgccg ccggagcctt cgccctctac gagaagcacg 120

aggcgaagaa ggacccggag cacgcgcaca agcacaagat cgaggaggag gtggccgccg 180

ccgcagccgt cggcgccggc ggcttcgtct tccacgagca ccacgagaag aagcaggacc 240

acaaggaggc caaggaggcc agcggcgaga agaagcacca ccacttcggc tagatcgtcg 300

ttgacgtgcg gtggccggcc tcgccgacgg ccgtgcgtgt gcttacgtta cgtgtgttcc 360

ataaagtgag agaggctggg acgcgggccc ggtctcgtgc tcgcccgtgc gtgattttct 420

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acacctcatg cgtcngtgtg tgtc 504

<210> 5135
<211> 497
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316057f11b1

<400> 5135

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ggcatgccag caaatgggtc cacaaccgca ggtgctaaca agagcgcatc cacccctacc 120

tcttctaccc tgccctctca atcaggcaaa gagtacgatt tttcctcatt aacgcaagga 180

atgttctcga agcgatgaat ggcttgaaat acttggagat ggatgaggcc tccattgggc 240

gcagatttag ggagaacgtt ggggggcgct tgtacactgt tttaccgagg cagctttgcc 300

agttgtggat acatagttac atcaccttgt gggtcaacaa gtgcggatat ggcagaaaac 360

tgctcatgtt gtttcctaca gctgaatagt ctcattgtta cagtgatgcc aaagaactta 420

aaacagagga ttcccttgtg ggcctgttga actattctct tgttcagggt gtagttgcaa 480

taccacatat cgattac 497

<210> 5136
<211> 390
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316057f12b1

<400> 5136

cccacgcgtg cgcccacgcg tccgcccacg cgttcgggga cgcgtgggct ccggcacgtg 60

ctgaaaataa tgagcctata ctgacattgc caaaacagac acctcaacgg cacaatggag 120

ctggttcaca gggccaccac aactataggg gccgtggaag gggtagaggc agcgcgtggt 180

ctgaagcgtc aacaaaatat actgaagagt acgattatat ggacatgaat gagaaggtta 240

acaaagatga agtatggggc catcttggtc ggaaatccca gtctagagac acagatggtg 300

agcaaggaga tgatgtattc gatgaacacc tcgagtacga ggaaacagac aatccagagc 360

tagatgtcga gcctgtctac agcaaggatg 390

<210> 5137
<211> 318
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316057g02b1

<400> 5137

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tgtgagactg aaaacagctg cccaggttgt cgtccttcct tccgccattg acggtgtaat 120

cagtgagcaa atgttcatga atggtgcttg tctacacagc gcaatctttc tgtaaagcaa 180

acatctatag ttcctgtcca tttgtgtctg caactaaatg gggtggatat tcatttgctc 240

catgtaataa tggcttgtag actacataca tggctgtgga gcaattgtcc tgatccatgt 300

cacaatattt gccctgat 318

<210> 5138
<211> 338
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316057g03b1

<400> 5138

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aacacgtgct tgtccagatc gaacagacct gcaggtgatt ccacgcggta gcgcctgcga 180

ccccaaatca actaacctct gggacccctt tttctgctac cacttgggct cctgcggcgg 240

caccggcctc tttccctaaa tacagtgcat cacgcttccg gaccgaaaga aaaaaccaac 300

gcgcggaccg actggaagga aacacctaac gttcacgt 338

<210> 5139
<211> 465
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316057g04b1

<400> 5139

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cagcagcagc ctcttccct cgttcccgcg catcagctgc gagaccgcgg ccttcgccgg 240

cgcgcggatc gactggaagg agacgcccga ggcgcacgtg ttcaaggcgg acgtgccggg 300

gctgaagaag gaggaagtga aggtggaggt ggaggacggc aacgtgctcc agatcagcgg 360

cgagcggaac atggagcagg aggagaagac tgacacctgg caccgtgtgg agcgcagcag 420

cggcaagttc ctgcgccggt tcaggctcct cgaggacgcc aaggc 465

<210> 5140
<211> 481
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316057g05b1

<400> 5140

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ggcgtgctgc tgccgttccc gttctactgg gcgctgtgga cgcgcccgca gcggtgggtg 120

gacctgtgcg gccggggcgc cgacccgtgc cgccgcatgg cgcaggtctc ccacgtcctc 180

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tgcgccctcc ccctactcgc cttcggccag tacctcaact tcaaggtgta ccagctgctg 300

ggcgagtcgg gtacctacta tggcgtccgg ttcgggaaga agatcccgtg ggtgacggag 360

ttcccctttg gctacatcaa ggacccgcag tatgtgggga gcatcctgag cctcgtggcg 420

ctgctgtgct gggttccctt ccagtatatt gtgtngtggt gcctcngata tgttttcatg 480

a 481

<210> 5141
<211> 160
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316057g08b1

<400> 5141

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atcggatggt taaacaatgt tatggcatgc atatttcttc 160

<210> 5142
<211> 444
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316057g11b1

<400> 5142

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gcattttggc atctgagccc aacagctagc agatggcagg cggcagagtt gcacatgcga 120

ccctcaaggg gccgagcgtg gtgaaggaga tcttcattgg actcaccctt gggctggttg 180

ctggtggtat gtggaagatg catcactgga acgagcagag gaagacgcga tccttctacg 240

acatgcttga gaaggggcag atcagcgtcg ttgtcgagga gtagttctga agtgctgaac 300

cagaagttct acatctcgaa gtcttttgtc attttggttt tgccagtaat ttctgaaact 360

ctctggagag catgacagag tgattgctgt ggagattgtc atgaaaataa gcacaccacc 420

atttgagaac atcgaaccat tttg 444

<210> 5143
<211> 386
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316057g12b1

<400> 5143

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ccaacctcaa gggtgcggac gtggtcatgg cgaacgataa agtgctcgcc cttctgctgt 180

cggttggtga acagctgaac acgcatgact ggcacacgca ggacgaagga acaactgttc 240

tctcacatgg ctagagactg ggcgaggaca cttgatgaca cgaggactaa gcttggactg 300

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gcactacatg cagagcatga cagatg 386

<210> 5144
<211> 228
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316057h01b1

<400> 5144

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aatctttgtg ctcttgaaag catgaaggag gatattgtaa ctggaattgc accacacttt 180

attaggccga tctataggtg gccgatcttt gccttctagg gaggagcc 228

<210> 5145
<211> 126
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316057h03b1

<400> 5145

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tcagttacat aaatgtgagg tgcacgcttg ctctgagtaa aagatgaggt ctttctctgc 120

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<210> 5146
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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316057h05b1

<400> 5146

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gcttctacta ctgggcgacg ggctactcgc ggcctgatcg tcggttagcg cccttcggtt 180

cgatctgggg tccggccaca cgaagtgcat ctccgacgag atcaagggtg gctctatgga 240

ccacgggaag tacagttgag ggcgaacgcg acccccccta ccccgtcgca cagctacccg 300

aggcgcaccg tgtattcctc aaggggggcgt tctcttacgg gaacagaatg cactactgcg 360

agaacgtgca ttcggcgtac ttttgc 386

<210> 5147
<211> 255
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316057h07b1

<400> 5147

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tgattgcgag tactgtcact atgtaatcgc aatacgtttc ggttcgagaa ctgtgttgca 120

aattctccca tctgcggact atagtctgtt tatgaccccc atttcatggt tatatgtttc 180

actgtttctt gcttgaccac gatcgtagcc tgcaaggggg gacgaaagaa atgactcatg 240

ctaaggaaca acatg 255

<210> 5148
<211> 170
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316057h08b1

<400> 5148

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ttagttgcat aaatgttacg tgcacgcttg ctctggataa aagatgagtt ctgtgtctac 120

agtgctgcta tatgtagact atagtcagga tagaagaact aattgatggc 170

<210> 5149
<211> 288
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316057h10b1

<400> 5149

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caggccacct gtgtatcatc tgccgagtgc acgaggaaca gactgaactg cccgcccgcc 180

cccggtcgcc gtcaggtcaa cggacacctc ctgttggccg gacatggacg atgaagaaac 240

tgggggctgc ggcagcacaa gctggagagg agcctgttga cgctaggc 288

<210> 5150
<211> 466
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316057h12b1

<400> 5150

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tgttacaaag tactttgtga gcagtggctt tgcattcatc catgcaaact ccattactga 180

tgttgtggct gttgaggctg tccccccttga tcagattgac caaagcttgg tccagaaagg 240

tcttgctgaa ttcactgcca agcttggatc agcctcgact gacctagaga aggcggaagc 300

tcatatcgga gtggatgttc acagtgcgct caatgctgca ttgactggtt gatgatgaca 360

tcttacattt ttatgtcctt ttcatccgca tctttagaat gtgagttgaa gtccgcaaac 420

tcatgaatga ggatggatgg aattatctta ataaaattat actcca 466

<210> 5151
<211> 486
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316061a01b1

<400> 5151

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ttcttcacat gcttctggga ggcctttgct cgttgacgat gataatctcg ctgagatttg 120

acttcccaag aatccagttt gggtcgatgc gatactgggg gatcctgctc gtgtcctggt 180

tcctcgtgtt tggagtgcgg gcctcgcgaa cccgcaccat ccgccgtaat tcatgatgat 240

tacatcgagt gtgccctcag tcaggcgtta tgaggattta ggaccgnggc gtccaagggt 300

cgcgtccacc acagagttag gtattgcacc cctgtgtata ttcgccgcta gctataccat 360

ggacgtgcta tttttttag ctggagtatg tgagacgtac atgtttggcc aagacgacat 420

ggctagagta ctgctactgt tcagtgttgc taaacgaata cagtgatgtc tatctttagc 480

attttt 486

<210> 5152
<211> 521
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316061a02b1

<400> 5152

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gctcttcgag ggcatcaaca agggccacgt cgtcaccaag cgcgagctgc cgcctcgccc 120

gtccgaccgc aaggggaaag gtacaaagag ggtgcatttt gtcaggaact tgatcaggga 180

ggttgctgga tttgctccct atgagaagcg tatcactgag cttcttaagg ttggaaagga 240

caagcgtgca ctcaaggtcg ccaagagaaa gcttggtact cacaagagag caaagaagaa 300

gagagaggag atgtcaagtg tccttaggaa gatgaggtct gctggtggcg gtgctggtga 360

caagacgaaa tagaacttgg ctagctggtg aattttatcc ggcagcaaag tcctgtatta 420

ccagtccgta cctatagagc tatggccatt gtgttgacac tatctttagc ccgtggtttc 480

tattttgaga agaccaatcc tcctaagatg tttatacatg a 521

<210> 5153
<211> 440
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316061a03b1

<400> 5153

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ccatgggtat ctcgcgtgac tccatgcaca agcgccgggc caccgacggg aagcacacgg 120

ctctgaggaa gaagcgaaag tatgagctcg gccgccagcc aaccaacact aagctttcaa 180

gcaacatgac agcgaggagg gtccgtgttc gatgcggtac acgtgaagcg gagggctctc 240

cggcttgaca ctggtgactt gtatagggta gtgaggactc gacccagaag acccggccct 300

ggatgtggat acagttcgtc aaacaatgag cttgtgagga ctcaaaccct tgacaagaat 360

gccattgagc aagttgatgc tgacccctta agcagtggga cctgactcat tatggagtcg 420

aaatcggtag gcagaagaaa 440

<210> 5154
<211> 470
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316061a05b1

<400> 5154

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gaacaggcag gttaaggcca agcaggtgac attccacagg aagaagaacc tccagtacta 120

tgaaatctct gccaagagca actacaacta tgagaagccc ttactttacc ttgctaggaa 180

gctggctggt gatcccaaca tccacttggt cgaagcagtg gcccttaagc ctacggaagt 240

gaccttcgac ttggccatgc agcagcagca ctaggctgag cttgcggctg cagcggcaca 300

gccactgcct gatgacgatg acgatctgat cgagtagaga gaggaccatg agtctgtctt 360

atcaatcaat actttgagag ccagagacta tgcgagtcgg ttttaggttg aaggcttgat 420

tggagtagtc aaccggatgt tttcctgtct gcttgcttgt ctgtgggctg 470

<210> 5155
<211> 523
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316061a06b1

<400> 5155

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gaacaggcag gttaaggcca agcaggtgac attccacagg aagaagaacc tccagtacta 120

tgaaatctct gccaagagca actacaactt tgagaagccc ttcctttacc ttgctaggaa 180

gctggctggt gatcccaaca tccacttcgt cgaagcagtg gcccttaagc ctccggaagt 240

gaccttcgac ttggccatgc agcaacagca cgaggctgag cttgcggctg cagcggcaca 300

gccactgcct gatgacgatg acgatctgtt cgagtagaga gaggatcatg agtctgtctt 360

ataatcaata ctttgagagc cagagactat gcgagtcggt tttaggttga aggcttgatt 420

ggagtagtca accggatgtt ttcctgtctg cttgcctgtc tggtggctgc aactgttgtg 480

gacatgatct acatatgtgc tgcatgattg tgtcgcacct gat 523

<210> 5156
<211> 274
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316061a08b1

<400> 5156

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tccccccacc actggtgggg ggttttggag ctgacccctt aggaaaacaa ttcttcgatt 120

gtttgctaga tacgttatga gacggacctg tttaaggggc cgttccattt ctgaagctaa 180

caaactttaa gtcgttgatt tgcctgcgat ttgaagacgt cgtagctgca tctgctctgg 240

ttattcccag tgcatttgcg gctggtttta ttgc 274

<210> 5157
<211> 365
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316061a09b1

<400> 5157

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cggacggcga gcgtgaacgt gaaggggaac aaggtgccgc tgtacggcag cgggccgacg 120

ctgatggcgc agccggcggg gggcaagggc ggcgccggca aggtgatccc ggtgccgatg 180

gtgctgcgga cgacggtgcg gtcgcaggcg tacgtgctgg gggcgctggt gaagccccgg 240

ttcaccaagg aggtggagtg caaggtggtg atgaacccct acaagctcaa caagcccgtc 300

tcgctggaga aggcctgcaa atactcatga tttgctcact catgatccgt ccatggttgg 360

ttgat 365

<210> 5158
<211> 329
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316061a12b1

<400> 5158

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tatacacgcg atgtccagtc tggcaggtga cattgcacag gaagaagaac ctccagtcct 180

atgaaatctc tgccaagagc aagctacaac tttgagaagc ccttccttta ccttgctagg 240

aagctggctg ggggtcccaa catccacttg gtcgaagctt aggcccttaa gccctcgaga 300

agtgaccttc tacttgggca tgcaaaaac 329

<210> 5159
<211> 94
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316061b01b1

<400> 5159

actctcgcgg acgcgtgggg caatacctgc tatgttctcc attgtgtatc cagacctctt 60

gtgttttatg tgaacttgtg tcctccctgg tgtt 94

<210> 5160
<211> 181
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316061b02b1

<400> 5160

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tgccatctga gatgcccttа attcagtttg acaacgtggt gaactttctg aaactgctat 120

atatatgcta ccttgataaa tacaaaaaat aggactccaa aggcaatgta tggaaaaatt 180

g 181

<210> 5161
<211> 283
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316061b03b1

<400> 5161

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ggcaccgagc atgaggcaac aactgcatta cttgcgggga aggcgcaagt aggacacctg 120

cattacttgc aaacaaggcg caagtaagac actgaaatgt agtataattc ttcatctcaa 180

tatgtataac cttaacgggt ctgatcgtga caccaagcta ttgttccacg actgaccatt 240

ttcggcatgt attactgagt gttaacgaga atctcgttgg act 283

<210> 5162
<211> 330
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316061b05b1

<400> 5162

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gagatgcggc tggagatgga cgacggcgac ggcgaggttc aagtgtttgg ttgggaccag 120

ttgagggtgg agctagggga tgtagtaaga gcttggcata gctgtgaaga tttggaacaa 180

gttcagtaac tttcttattc agaagaagtt attttgcagc ttagctagtt aatggagagt 240

gtaaacaggt actctaaaat gtcaatatat gtgaatctaa cacgagggct aagcttggca 300

ctgggccggc ttttacaacc tttagaatgg 330

<210> 5163
<211> 432
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316061b06b1

<400> 5163

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aatagctcca cgatggcctc gtcgaagaag gcgtccatct cgtcgagcgc gtcccggtgg 120

gtgagcgagt cctcgcggca ctcgaggatg ctgcgcaggc cgtagctgtg ctctcgatgc 180

cggagcgcac gatgacgcgg aggaggaacc ggagctcggg aggccgaggt gcttgttgcg 240

caggatcacc tcgtcgtcgc tctggtggag ttcatacagc tcaacatcta cggctccatg 300

accacagaga gtcatcatct ctgctcatgg gcagccacgg gacatgcatc acgacgtgct 360

tcacaaggac cacgacggag tgagcggagt ctgaatcagc aatgtaagca gcgaagagcc 420

agctccctgt ta 432

<210> 5164
<211> 475
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316061b07b1

<400> 5164

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aggaggacga ggacgacgcc gacgagatgc tgagggttgc ggggaggagg ctctcgtctt 120

cgctctcctg gcgccccgtg gcgaccgtcg gagccagggg cccgctcgcc ggcgccggcg 180

gccctgggag agacgacgac gacggttcgg cctaccagcg gcggttcgcc atcgagtccc 240

ccttcttcac cgccgcgaga gggctcttct tcggctgaaa cacttgttcc acggaaccaa 300

gatgcttggg ttggctgaac tcccagccac ttgntgctgc actgaaagaa ccccaactca 360

aaaatcctnt atgaccagta caaccatgaa agatatcctc ctggagatcc cagcagcgtg 420

cctatgccta ctctgtctga gtggtggaga ttcgtatatg catcactgct gcgtc 475

<210> 5165
<211> 491
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316061b08b1

<400> 5165

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aagttcattt tctgttactc catctttctt ttccgttcca tattcttcaa taccatttgg 120

tgccacatcc gttgttaatt caatagatag gactccagtg gcatttttgg caaaattgtt 180

tagatattgg agggggtcaa ttgaagtgac tattaaagtt gtgaagacag aatttcatac 240

tggtagactt attttgtcct tttcgcccca attagctcag actactatta caaattctaa 300

tacaaactat gttcatcgtg agatagtcga tctacgtgat ggctctgagt ttgtgattaa 360

agtgccttat tgctacaact ctatgtacat ggatactgac caagctcaaa atgatttatt 420

catgatgatg caggtcaatg tattaaatga atnggtagct ccagacactt gcgcaccaag 480

cgtagaaatt t 491

<210> 5166
<211> 360
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316061b12b1

<400> 5166

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aaacaattgc cgttactacc gccggcagga cggcctgagg agagaaggcg accacagcgg 120

gaagcacggc ccggcggggg agcgagtgct ctggggaggc gaggatgacg agcgaggaac 180

agctgggctc gcgacgccgg aggggaggac aacacgaagg aggaagcgga gctcgggagg 240

ccaaggagga agtggcgcat gatcacggta gagctgatag aggaggagga agacaccagg 300

acaaagactg gtacaggacc acagagaaga acaacctgac ggcaaggaca gccacgggac 360

<210> 5167
<211> 446
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316061c02b1

<400> 5167

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ttcatcccac catgtgaatt tgcaatcaaa ctttgtggta cagatgggaa agcatcttgc 180

atggcagcat atatggtctg caattccatc ttcaactcta tcatgaagct tgttggtacc 240

aagaattatt acgacgttag gaaggagtgc gaagggaaac tctgctacga cttctcaaac 300

ttggagaagt tcttcggtga taaagcagtc agacaggcaa ttggagtagg tgacattgaa 360

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gaagtccgca tcccagctct acttga 446

<210> 5168
<211> 396
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316061c03b1

<400> 5168

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tcagcgccga cagccaggac tcgagctcca acgacgcgta ccgcggaggc aaggaccgct 120

cgccgtcgcg tcgcaagaag tccgacgacg acgaggagga gtaccgccca tacgcaggct 180

acggcgccaa caccaaccgc ggcggggcca acgaaggcgg tggcggcggc ggcggctaca 240

acggtggtta cggcggcggg ggcggcggct acaacaacgg ctacggcggc ggtggctcgt 300

acagcaacgg caacggcggt atcacgccct acaacggcgg cggcggtggc tacaaagcaa 360

ctctttctac ggaacagcgg tggtgggtac aacaac 396

<210> 5169
<211> 391
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316061c04b1

<400> 5169

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aaacaaaaaa aaaggagaaa gcctgcagct ttccgactgg gaaaaccctg gaagaacaca 120

agaaaatacc cttgaaaaga aataacacta caaacaaata ataacagggg gggggggcccc 180

tttggggtcc caggtttccg ccccggggct ggcccgaccg tggtttttt ttggggcccc 240

caaattccat tacacgggcc gggtttttcc acctccgggc cggggaaccc ctggggttgc 300

cccactttaa tcgcctggga gaaaatcccc ttttccccgg ttggggtatt gcagaggggg 360

ccggcccggt tggcccttcc taagagtggg c 391

<210> 5170
<211> 344
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316061c05b1

<400> 5170

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aaaaaataag gagggaaaca aacaggctga tgcaattcgc attcccgttc cgtctctggt 120

ttacggccac ataaataata acactactac tagtactact tgagaactct ggttgttctt 180

ctttatccta cgctgatgtt gtacagcagc cccatcagag caagccaatc tgtctagaga 240

ctagctcaat cgagcggctc gatcagtagc tccagagcgg gacctcgccg gcgccgtacc 300

caccgctgtc gttgcaatcg tggtcggctc cgtccatgtg cgag 344

<210> 5171
<211> 455
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316061c06b1

<400> 5171

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aaaaaataag gagggaaaca aacaggctga tgcaattcgc attcccgttc cctctctgct 120

ttacggccac ataaataata acactactac tagtactact tgagaactct gcttcttctt 180

ctttatccta cgctgatgtt gtacagcagc cccatcggag caagccaatc gggctagaga 240

ctagctcaat cgagcggctc gatcagtagc tccagagcgg gacctcgccg gcgccgtacc 300

accgctgtcg ttgcagtcgt cgtcggctcc gtccatgtgc gagccgctct gccagtcgcc 360

gccggcggcg ctcatcccgt cgtagtagta ggaatcctgg tccaagtccc caatgccgcc 420

gtacccgtac tgcatcgggt agtcgtcgta gtgca 455

<210> 5172
<211> 197
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316061c09b1

<400> 5172

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gaaatgacat tgtcctattg ccgcagtaat tttgatgcca tgcccacagg gtttgtgaac 120

ctgcctagtt tgattgtcaa gggatgtatg tgttactttc aaaaaaaaaa atacaaaagc 180

taccannnca acaccaa 197

<210> 5173
<211> 320
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316061c11b1

<400> 5173

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gcagttgtag cccgtaaagc accgcatacc ctgtagcagc cttgtctgta agctctcccc 180

cgcctctcct tagtttgtct tctgcctttc agaagactgt gtggtgtatt ataggctcgc 240

cgaataggag cttgttttgt tgttgaatcc tgttgttaat tggcagtgtg cctttcaagt 300

tccaactcct ctcatcaagg 320

<210> 5174
<211> 454
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316061c12b1

<400> 5174

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acctgtgtga atgccgagac tggattggtg gaccaaagga agtttagcct gctgtccaac 120

tggcgccgtg agtacacaat ggagaacatc ttgatacagc ttaagaaaga gatggcgaca 180

tcacacaacc ggaaactagt gcagcctccg gaggggacct tctactgaag gagcacttgc 240

cgtgtcgcac gtgtcattcc caagaaccct cgcggttccc attttagata tcgcataaga 300

tcgcaacatt tggtgcaaac gattatgtat aactttgacg gtgtccttca catggctctt 360

gtgtgtctag tctcgttata tctgctgggt acgcctgtgt tgtaatgata cgctggagct 420

tagctattgt ttctaaagta ccattacgtt gctt 454

<210> 5175
<211> 319
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316061d01b1

<400> 5175

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gagaacttgg ggtgtccctg gggggggtcca cgattaagga cgtcctgctt gcccacctac 180

acttgttgtt tgagcacctt aaccccgatt gcaggctgtc ggttacccaa gacgaactgg 240

gggaaccccg ggggagaacc cacagaatag cttgtggaca caaggcctat tatcgcgact 300

ggcgataaat ctaaaaggc 319

<210> 5176
<211> 297
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316061d02b1

<400> 5176

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gttattccgt gcgagttgca acattcgtgg tcgcggatca agggttatga tgtctcacga 120

ctacgtatat tattagtttg gtggtcaaac aagcagaaaa aaaaagaaag caaactaaca 180

tggaataaaa gacataataa agctcgagtc aaaacaccta tggaccaatt aaagggattg 240

cgcaatgcct gacccgtctg tacaacatga tggccgaaac tagcacacgc cttacca 297

<210> 5177
<211> 289
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316061d03b1

<400> 5177

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aaaaaaaaaa aaaccaaaaa aaaaaaaaag gggcggccgt taaaaggaac acaagcttcc 120

aaccccgggc atgcaacaaa ataactttat aatagagaaa ccaaaattgg gtcccctgcc 180

cagaattacc caacttcccc aacctggaaa aaccctggca ttacccactt aaagggcctg 240

caaaaaaata ccctttggc cagttgtcaa aaaagcaaaa aggggaaaa 289

<210> 5178
<211> 400
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316061d04b1

<400> 5178

ttgaacaata tgcaaagcaa actgcttaat gcgccattgc ctggctgtac tggaagtgtc 60

cgcgagatcc aaatagatac gacgacggga aggaggctcg tgaagaagga gaagattcag 120

gtctcaggtg agatcgatgg ttaagatggc tcgcaacacg attatatctg ggaatttaga 180

attgtagttt accctgctgc tttcttttct tttttgtggg tagatctgat gtctctacat 240

ataatagata ccgagtgtat gctgctggtt ctttccattc ttttgggttc gtgggtgcca 300

tgtaaatgtt ggcggattcc ttatgtttat gccttctgcg gtaaataaaa agctaatgca 360

gattcgtggt caaattacaa aattncctta taaccaaaaa 400

<210> 5179
<211> 162
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316061d06b1

<400> 5179

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agatcagcag ctgctcgagt agctcgcgtg gaggtgtcca aggtgggaga cccaagccca 120

ggctagctag ccgaccaact gctccaccgg agccgatggc tg 162

<210> 5180
<211> 202
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316061d07b1

<400> 5180

cctcgatcga gctgcgttgg ctgactcgcg cgagcctcgg tgaactggtt ggcactaata 60

agcatgtcac gctaggtgtg gtgggctcgt gggtcttgaa atgtgttgtc aagatcactt 120

gctttcgtgt tggggcgtgg tccttgacag tgtattactc ttgctgtctt acatggcatg 180

ttttacatga ttctgttcgt gt 202

<210> 5181
<211> 532

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316061d08b1

<400> 5181

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agggcgagat ggtgaagcac aacaacgtca tccccaacgg ccacttcaag aagcactggc 120

agaactatgt caagacgtgg ttcaaccagc ccgcccgcaa gcagaggcgc cgcatcgctc 180

gccagaagaa ggctgtgaag atcttccctc gccccacctc tggacctctt cgccccattg 240

tgcaatgcca gacccgcaag tacaacatga aggccagggc tggcagaggc tttacccttg 300

aggagcttaa gtccgctggc atcccaaaga agctcgctcc taccattggc atttctgtgg 360

accatcgccg caggaacagg tcgcttgagg gtatgcagtc caatatccag aggcttaaga 420

cctacaaggc caagcttgtt atcttccaag gcgtgctcgc aaggtcaagg ctggtgactc 480

tccctcggag gagcttgccc acgcccacag gtccagggcg actacatgcc ca 532

<210> 5182
<211> 186
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316061d09b1

<400> 5182

ggccgccctt ttttttttt ttttttttata catattaata atagcacata tgctacggac 60

atgggatatg gatggaggtg tatactacat ccaccgaact aatcgacgct ttacaacggt 120

ttgactggga aaacggagtc tttaccgaag ataaaaaaat cttgcaggac atgccccttg 180

tcaaca 186

<210> 5183
<211> 448
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316061d11b1

<400> 5183

tttctcgcac caccatctcc taatcacaag tcatcttgca tacacggaga gagaaagaga 60

ggacgagaga tcagcagctg ctcgagtagc tcgcgtggag gtgtccaagg tgggagaccc 120

aagcccaggc tagctagccg accaactgct ccaccggagc cgatggctgg cgccgacgtc 180

gacgtcggga cggagctcaa gctcgggctg cccgggggcg gcgccgaggc ggccaaggcc 240

gggaagaggg gctatgagga caccattgac ttgaagctca cgcttcccac cggcggcatg 300

caggaagact ccgcaggcaa gccggagccg gccgccgaca aggccaagag gcccgcagag 360

gccgcggctg ccgaccccga gaagccacct gctcccaggc acangctgtg ggttggccac 420

tcagtccgtc gtaccgcagg acgccatg 448

<210> 5184
<211> 494
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316061e02b1

<400> 5184

tgtctgggcg acgtccaccc aatcggagtg aggggctgct acgatgaggg taagcgtgtt 60

gctgagacac tgatgttcga ctaccacagg cagcatggca ttgagatccg tattgccagg 120

attttcaaca cctactgacc taggatgaac attgatgatg gccgtgttgt tagtaacttc 180

attgctcatg ccattcgagg tgaagcactg actgtccaga agcctgcaac acagactagg 240

agcttctgct acgtcgctga tatggacaat ggtcttatga agctgatgaa tggagacaac 300

accggaccca ttaacattgg gaacccaggt gaattcacca tgctggaact tgccgagaat 360

gtgaaggagt ttgatcaacc cacaagtgac agtgacgatg actgagaaca ctcctgatga 420

ccctcgacag aggaagcctg acatcaccaa ggccaangag gatctcgact gtgagcccaa 480

gtcgtcctgc gcga 494

<210> 5185
<211> 539
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316061e03b1

<400> 5185

atctcccacg cgtccgccga ccccccccgat ctggttgaat ccgtccaatc caaggagcac 60

tcgcaatcgc accggcggcg gagatgggcg gcgaccatgg cggccacggc ccgagcggcg 120

gcgacttccg gcagaaggtg tggagcatga cgggcgggcc ctattgccgg cccgtccact 180

ggcgccgcaa caccgccatc gccatggtcg gcatctttct cgtctgcata cccatcgcca 240

tgaaatccgc cgagctcgag caacgcccgc accacccagt ccggccaatc ccatcccagc 300

tttggtgcaa gaactttggc aagaaggagt actgcaggat gtgccgacta tcacagagaa 360

agtcattctt ttacctttgt gccttctttt gtcataaccg gtcctcagcg atcgaagctg 420

gaagaagtac gcgaccatag cgttatgtaa ctctggtgac ttcttattat cacatacaag 480

gagtgcctgt ttgtttgcga tnaaataaac tcgcgatgca tgagcgcctc tatggatct 539

<210> 5186
<211> 463
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316061e05b1

<400> 5186

atctgattcg ggcactggtt cttcttcgag gtgttctttt cagttggtga atattgcagc 60

ctttccactg ttgccaattg ttcggcatcc actagtggag tacacctgtt gcatccgatg 120

aacgctccag aggaattgtt ctgattttgt ttgccgtccc tgacctgagc tttgcaacga 180

tgcaggggat actaccgctg cacgcaccgc aaattccaag ggatgcgcgg cgacgaagca 240

ggtgcagcgc gccgacgagg acccggcgct cttcgacgtg atctaccacg gcgagcacac 300

ctgcgtccat aagacggtgg cgaccgcggc ggcggccatg gcgcagccgg cggaggagaa 360

cccggatgcg cgtaggcatc tgcagaacct gagcacgagc ctgacggtga acaccgaggg 420

actcacggcg acggcgggtc atcagggctg cggcaccacc acg 463

<210> 5187
<211> 522
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316061e09b1

<400> 5187

tcccggcccc ccgacccgag gaaagaggaa gttagagcag agtccacacg gcagaggcca 60

aaggcgggag gaggggcggg atgccgatcc tgtacgcggt ggtggcgcgg ggcgcgacgg 120

tgctggcgga gcacagcgcg gcggcgacca acgcgggcgc cgtcgcgcgc caggtgctcg 180

agcgcctccc cggcggcggc gccgacagcc acgtctccta cacccaggac cgctacgtct 240

tccacgccaa gcgcaccgac ggcatcaccg ccctctgcat ggccgacgac gccgccggac 300

gacgtatccc atttgctttc cttgaggata tccatggaaa gtttgtcaag acatatggcc 360

gtgctgcact gacagctctt gcttatgcaa tgaatgacga attctcaagg gttctcagtc 420

agcaaatgga ttactattca aatgacccta gtgcagatca aatcaaccgt atgagaggcg 480

aaatcagtca ggtgaggagt gctatgatgg atatattgat aa 522

<210> 5188
<211> 292
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316061e10b1

<400> 5188

ttttcgccca cgcgtccgcc cacgcgtccg cccacgcgtc cgcccacgcg tccgcccacg 60

cgtccgccca cgcgtccgca aagccaaagg ctacgtacgt ggatgggaag aaggaacgta 120

ctatggcgaa cctgtggctg tggagcattg ttgcgccaca tgttgtgttc taattaaccg 180

cccttctttt tgtggggatg tataccgtac ctaccgatta tgcatgcatg taaattacct 240

ttgtccacgt acaaggggag gaaccatgga ataaagaaag agcaacctga gt 292

<210> 5189
<211> 474
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316061f01b1

<400> 5189

ctctgggcaa tgttaaccca attggagtca ggagctgcta cgatgagggt aagcgtgtag 60

ctgagacact gatgttcgac taccacaggc agcatggcat tgagatccgt attgccagga 120

ttttcaacac ctacggacct aggatgaaca ttgatgatgg ccgtgttgtt agtaacttca 180

ttgctcaggc cattcgtggt gaagcactga ctgtccagaa gcctggaaca cagactagga 240

gcttctgcta cgtcgctgat atggtcaatg gtcttatgaa gctgatgaat ggagacaaca 300

ccggacccat taacattggg aacccaggtg aattcaccat gctggaactt gccgagaatg 360

tgaagggagt tgatcaaccc agaagtgaca gtgacgatga ctgagaacac tcctgatgac 420

cctcgccaga ggaagcctga catcaccaan gccaangagg ttctcgactg ggag 474

<210> 5190
<211> 256
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316061f02b1

<400> 5190

ctcggaacca tcgttctctg cattggtacc ggcggtgtct aggcactatt atgtagtggt 60

agcaagagag gatggttcag aacatcaacg gaaatgttgg agacaaagga gtgtggggag 120

gcggggacag cggctcaaag cccctccatt ataatggggt ggggatttgt gtgtagttgc 180

agctagatga ttgcaaggaa gttcaaataa gagttctagt tctgaaaaaa aagaatgagt 240

tggttcggac tgataa 256

<210> 5191
<211> 134
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316061f05b1

<400> 5191

tgttggccac gcgtccggaa acaaaaaaaa gagagagaac ttttaaaaaa attaaacaaa 60

aataccaaaa aatgaagcca acttgtgagc ttgtgcctgc acaaggggcg atcttgtatc 120

cgttgcgcgc tctt 134

<210> 5192
<211> 539
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316061f07b1

<400> 5192

tgctatcgcc aagggtaagg ggtatgaagg cgttgtcact cgctggggtg tgacccgcct 60

tccccgcaag acccacaggg gtctccgaaa ggttgcctgt atcggtgcct ggcatcctgc 120

tagggtttcc tacactgttg ctcgtgctgg tcagaatggt taccaccacc gcacagagat 180

gaacaaaaag atttacaaga tgggcaagtc tggacaggag tctcacgagg cctgcactga 240

gtttgacagg actgagaagg acatcacccc gatgggtggc ttccctcact atgtgtggtg 300

aagggtgact acctcatgat caagggctgc tgtgtgggcc ccaagagaga gtggtgaccc 360

tccgccagtc cctgttaaag cagacgtcgc ggttggccct tgaggagatc aagctcaagt 420

tcatcgacac ctcatcaaag tttgggcatg gcccgttcca gaccaccgac gagaagcaga 480

agttctacgg ccagctcaag gcttaggccg cgacagatct tatcccatag tgttaccag 539

<210> 5193
<211> 490
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316061f08b1

<400> 5193

tcgcaaaggt gctgttttct atggccctcc tggctgtggt aaaaccttgt tggccaaggc 60

aattgcaaat gagtgccagg cgaacttcat cagtatcaag ggacctgagc tgcttaccat 120

gtggtttggt gagagtgagg ctaatgtgcg tgagatcttt gacaaggcta gggggtcagc 180

accatgtgtc ctcttctttg atgagcttga ctccattgct acccagagag gaagcagtgt 240

tggggatgct ggaggtgcag ctgatagagt gctgaaccag ctgctgactg agatggatgg 300

catgaacgcc aagaaaactg tcttcatcat tggtgctacc aacaggccgg acatcataga 360

ccctgccttg cttaggccag ggcgtcttga tcagcttatc tacataccgt ttgctgatgt 420

cgagtcgagg caccagatct tcaaagcctg cctcaagaag tctcctttgg ccaaagatat 480

tgatctgagt 490

<210> 5194
<211> 292

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316061f09b1

<400> 5194

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cgtccgccca cgcgtccgca aagccaaagg ctacgtacgt ggatgggaag aaggaacgta 120

ctatggcgaa cctgtggctg tggagcattg ttgcgccaca tgttgtgttc taattaaccg 180

cccttctttt tgtggggatg tataccgtac ctaccgatta tgcatgcatg taaattacct 240

ttgtccacgt acaaggggag gaaccatgga ataaagaaag agcaacctga gt 292

<210> 5195
<211> 354
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316061f12b1

<400> 5195

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ctgagaacac atacagtcta tcttaactgg ctgctgggag acctgcgctg tgagcattca 120

ggaggagaat ttctacgtgt ctaggggget cgacggaggc ctccatacca gcttctgcca 180

agacgaagtt gcggacgaca cgggccgggg gtgcgaccaa gcgggtgatt ggtagcacgg 240

ggcccgtgct cgacggtaag gctttcttga tgagggtgat agtggaccac tgcatcgtgc 300

atggctacgc gatgggcggg aagaccacga tgacacccag cgtgtacccg atgg 354

<210> 5196
<211> 185
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316061g02b1

<400> 5196

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gggtctccca cactatctca gaccctcccc tccccaccag ccgactgaca gagggagtca 120

aacaaaggag catgtgcgag ggaaaagaat gctccaagga gcgcaatggg gggaccaagg 180

gggac 185

<210> 5197
<211> 488
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316061g05b1

<400> 5197

ctctcttcga gggagttgat ttctattcca ccatcaccag ggccaggttt gaggagctca 60

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tggacaagag caccatccat gatgtcgtgc ttgttggtgg ttccaccaga atccccagag 180

ttcagcagct gttgcaggac ttcttcaacg ggaaggagct ctgcaagagc atcaaccctg 240

atgaagccgt tgcctacggt gctgccgtcc aggctgcaat cctcattggt gaggggaacg 300

aagaaggtgc aggaccttct cctccttgat gtcaccccac tgtctcttgg tcttgagact 360

gctggaggag tcatgactgt gctcatcacc cggaacacca ccatccccac caagaaggag 420

caggtcttct ccacctactc cgacaaccag cctggtgtgc tcatccaggt atctgagggt 480

gagaggac 488

<210> 5198
<211> 95
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316061g06b1

<400> 5198

tgtctcccac gcgtccgtac aaactaaaac agatagaaaa aaagaagaaa ataacaaact 60

taagcatgaa aaaaccaatg caacctacag ggtct 95

<210> 5199
<211> 266
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316061g07b1

<400> 5199

gcgtacgtgt gatggtgtga gagtattctt gaataacgag cgtctgatct gatggagtcg 60

agcaagggag cgtgtgcgtg tgatttgctt gctcgctctc cgcctatgct ctgcccatgg 120

tgtccttgtg tgtatgtgtg tgcgcatgtc tccctgtgat tgcttcatct atctgcacta 180

tggatggagt gatgaatatg taagaatgaa agatttacct ccaaagacaa ataggatgag 240

caacaacatg aactggttag gccagt 266

<210> 5200
<211> 189
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316061g08b1

<400> 5200

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atagacggt 189

<210> 5201
<211> 440
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316061g10b1

<400> 5201

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cgtctacggc ggcggcgcct cgcccaagac gcccggcggc caggggagga ggagcagccg 120

cgacgcgctc gagtgcgcgg tgtgcctctc ggaggtggcc gacggcgaga aggtgcggac 180

gctgcccaag tgcgaccacc gcttccacgt cgactgcatc gacatgtggt tccactccca 240

cgacacctgc ccgctctgcc gcgcccccgt cggcgccgac gcggacgagc ccgccgccga 300

ggggctcctc cgcgtgccgc gcgaggacca cgccacgncg gagttcccca tgttccccaa 360

caacgtnctc ttctggggca cccacgacga cgtcaccaac ggcgggctcg gagggatgcc 420

gccggcgccg gccccggcac 440

<210> 5202
<211> 364
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316061g12b1

<400> 5202

tgcttgtcgg ctcttagtgg gctcgatcag ggcaatcaaa caatgatcat caaggcatgt 60

gtgagtgaga aacaattatc catttgaatt ggctgaattg aacctgagct gcgtgcattc 120

ggaaggagaa tttatacgtg tctaggggggc tcgacggagg cctacatacc agcttctgcc 180

aagacgagtt gaaggacgtc acgggccggg ggtgtgacta agcggatgaa aggtagcacg 240

cggccagtgc tagacggtaa ggctttttttg atgagggtga atttgaacca ctgcatcgtg 300

catggacaac gcgatgggcg ggaagaccac gatgacaccc aagttattcc cgttggaggc 360

ctat 364

<210> 5203
<211> 184
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316061h06b1

<400> 5203

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gcgaatatct gtgccattgt gacatacacc ttatctgaaa aggaaaaatt gccctttttc 120

ttcaacaaaa agacaaaaaa caaaaaaaaa attacccaac ataaacatct tgaaacacaa 180

aact 184

<210> 5204
<211> 348
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316061h07b1

<400> 5204

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ggatatccag cccactcaga catagggcga cactcatgag gatctatcgc gcttagggtt 120

cctccatggt gcctatctga gtcatcggtt gatacagtag atattgtttt ggtaccagga 180

caggtgtggc aaacgaaagc tccaacctaa tctgcgcttg ttacaagatc gctagattat 240

atatcttgca gcacagtcga ataggctgag cggcaacacg aactggttag gcccctgaaa 300

ccctttgttt aagtgatata ttgaaagtat gtggacattc tgcatgac 348

<210> 5205
<211> 344
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316061h08b1

<400> 5205

agctactgcg tcaaccaacc tctggtgcat gaatttgaag agtacagacg atgtgcagta 60

tttcagctga cgcagaggga gggagacact catgaatctc tatcccggag aggtatgctc 120

caaggtgcct atctgcgtcc ttggtggatg cagttgatat tcttttggtg ccaggacaac 180

tgtgtcaagc gaaatctata tccgagtctg agttcattgc aggatcgcta tcttatatat 240

cttatagcac cgtcggatag gactagcagc accgagactg gttaggccgc tagaaccatc 300

tgtataggtg atatattgaa agtatggagg cattctgcat gcac 344

<210> 5206
<211> 379
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316061h09b1

<400> 5206

tgttcgcgcc gcagcagaaa agcatcggct gtggtctcgt cgagggatca acaaccatgg 60

gcggtggcaa cgcgcagaag tccaagatgg cgcgggcgag gaacctcgtg aagctgaagg 120

gcggccaggg gagccagctc gaggcctaca agaaggccat gaacattcag tgcaagatat 180

gcatgctgac tttcatctgc accacctctg aagcatagtg caaggagcac tccaaggcta 240

agcatcctaa gagcgacctc gtacagtgct ttccccacct caagccgtga tatctgccag 300

atcggactgt gagagagata aaagagagag agagaagctg ccgtaatcca cctagtatta 360

tcatgttccg caatgactg 379

<210> 5207
<211> 388
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316061h10b1

<400> 5207

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gtctacggcg gcggcgcctc gcccaagacg cccggcggcc agcggaggag gagcagccgc 120

gacgcgctcg agtgcgctgt gggcctctag gaggtggccg acggcgagaa ggtgcggacg 180

cttgccaagt gcgaccaccg cttccacgga agctgcatcg acgtgtggct ccactgccac 240

gacacctgac cgctctgtcg cgccccctc ggcgccgacc cggacgagcc cgccgcccag 300

gggctccgcc gagagccgcg cgaggaccac gccacgcccg agttacccat gtagcccatc 360

aacgtnctgt tctgggtgac ccacgacg 388

<210> 5208
<211> 484
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316061h11b1

<400> 5208

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tgacttcgca atggcacgtg gtatcctaac gaaacgacta gttgtggacg tagctggtag 120

taaaatattc gagcttactg tggatggatt ttgccacatg aacattccgg tccctgcacc 180

tacgaagatg ggaccgtggg gtgcaaagga tgcccccctt cgtgaaatgg aaagaaaatc 240

ccaacgtcta gaggagtgtc acaatatact ttacagcgta ataagtgcga ttcagtttta 300

ctacattgnt gaagacgggc gaatctgcaa ctcatggtct tggggtacta ctggatgtac 360

taattcacnc tgtactattg aaacattaag ttatgcccaa tgagtttgta gagcagataa 420

ctggcacagt tggtgaccca gactatttgt ctcaccttaa gattgtcaca cacattaaaa 480

cgta 484

<210> 5209
<211> 490
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316061h12b1

<400> 5209

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ggcggagcag cggatcgagc acagccacct cgacatcaga ggcctgaacc tccacgtagc 120

gcaagcaggc acaggccagc tcgggacggt gctgatcctg cacggcttcc cggagatatg 180

gtactcgtgg cgccaccaga tgctggccgt ggccgccgcc gggtaccgtg ccatcgcgcc 240

ggactggcgg aggtatggac tatacgacca gccaccggag ccagaggcgg tggcgtacag 300

cgacctgaca gaggatctcc tagccctact ggatgcgctc tccgtcctca aggcttacct 360

agtggcaaag gattttggag ccatgctagc ttatgattct gctctttgtc accccagccg 420

cacatgcggt gttatgtgcc taggcatccc ttctctccac agtggctcct ccttcactgc 480

catgcccgag 490

<210> 5210
<211> 361
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316072a02b1

<400> 5210

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ctggggtcgt cggtcaccat cacctcgctc aagaaggcca ccttctgagg catcgccacg 120

tgtacttagt ttttcctctg cttttctcga tcgatgccag tactacacta tgcatgtgat 180

acacttgcat ggagtgatga ggatttgtgt aacaaaattt tcttttccta gtaaagatga 240

gaccggtttt tcccagggac cctcggtgta ttgggatgtt tttgccaatt tgtcagtgag 300

atgaaagggg acatgtactt ctactacctt actgatcaag ctggttatcc accgtgggtt 360

g 361

<210> 5211
<211> 506
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316072a04b1

<400> 5211

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gcccaaagta aagcgaagcc accaagtgac agtcatatat catcaccaac aggattgttg 120

attacaatat tacatggagg tctctggaag gagcagttct gtttcaccat caggctacaa 180

atgcagcatg ctttctgatt gacagatcaa gtagtggcaa cctaagtatc gttggtggga 240

actgtcgaga gtcaggagct tctctccgtt aactatcagc tgacggcttg aagatttgaa 300

ggatatcaga ctctggtatt aacttgcttg agttgcaggc acacatcttt cttcattctg 360

ctgcttgtca tcagcgctgt actaccatca cagataccta ccacctgaag agttggactt 420

gtagtgttga gatgacaggc accaaactag caatactttt ataatngaat atatagataa 480

aatctgattc cctggcaggc attgtt 506

<210> 5212
<211> 543
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316072a05b1

<400> 5212

gtgaatcaca gattcaagta tagtggtctt ctctttggga gccaacaatc ctagcaatgg 60

ctgacgctag acttgcccta gcctccctct ttgtctccat tctgatgctt tccatggccc 120

atcccttctt tgcatgtccc actcgttgtg aaagtgagat aaaaatgcag atgtatttgc 180

accaggtggt gtccggacca acccataacc aagaagttgt gtttaagtct actcccacta 240

tagagtttgg taggacggtt gcttttgatt atactctact tgatgcacct acaccggacg 300

ccaaaattat tggtcgtgcc aaaggaaccc atgtccaggc tgaccaggtc aatgctggag 360

atttctccca tttcagtatg atattccagc agggacggtt tactggttca acatttcaag 420

ttatggggat gactccttca aatggaggtt gggcaattgt tggcgggacc aatgaactag 480

cgatggcaca aggtatcatt cagtttgcaa tagtcaaagg gacttccaac gtggagagct 540

tta 543

<210> 5213
<211> 266
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316072a07b1

<400> 5213

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ccgctggggt cgtccgtcac cattaccttg ctcaagatgg ccaccttctg aggcatcgcc 120

acgtgtactt aagttttcct ctgctttttc tcgatcgatg cccgtactac actatgcact 180

gtgatacact tgcatggagt gatgaggatt tttcgttcaa attttccctt ttctagacaa 240

gatgagaccg gtttctctcc atggtc 266

<210> 5214
<211> 351
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316072a08b1

<400> 5214

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atggtcaaaa cctttggatg cttcaagtgg acaagggtca tgtgacatca aaatcaatga 120

tgatttctgc gcagctacta tagtacctct ttcgctacag aacggtgtcc tcaggacaaa 180

ctgcatagac tgcttagacc gcacaaatgt ggcacagctt gcatacggat tagctgcttt 240

agggcgtcaa cttcatgtgt tgaagctcac tgaagaacct agaattgatc tgcatgagcc 300

tttggccgat catctgatgg atttttatga aaggatgggt gattcattaa c 351

<210> 5215
<211> 341
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316072a09b1

<400> 5215

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tcatcaaaac ctttggatgc tccaagtgga caagggtcat gtgacatcaa aatcaatgat 120

gatttctgcg cagttacgat ggtacctctt ttgctacaga agggtgtgct caggacaaac 180

tgcatagact gcttaaaccg cacaaatgtc gcacagtttg catacggatt agctgcttta 240

gggcgtcaac tgcatgtgtt gaagctcact gaagaaccta aaattggtct ggatgatcct 300

ttggccgatg atctgatgga attctatgaa aggatgggtg a 341

<210> 5216
<211> 407
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316072a10b1

<400> 5216

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agattgcggg gccgatgttc ttgttggctg acgaggttgc tcaaaattta aattacgacg 120

ctatgggaca gacatatatc atgaccaact ggatagccga tgacaacttt atatggatgt 180

atatggatgg agcacctgtg tgttaccata atgatgcaga atgcacgaag tgatctgatt 240

gacggaacac gtggttgtga tcctaagaaa ccctgttggg aactggtggg agtcaagagc 300

atttttgcgg taactatgaa aacactgttt gtacagtggg aggctataag actctgggat 360

agacttgagt gagtaggagg cacacatgtt gaattgtact gatgctg 407

<210> 5217
<211> 367
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316072b02b1

<400> 5217

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ccgtggtggc tgacgtctcg gcgcagaaca ccccgcagga cttcgtcaac ctgcacaacc 120

gcgcccgcgc cgtggacggc gtcggccccg tggcatggga caacaacgtg gccaggtttg 180

cgcaggactg ggcggcgcag cgcgccggcg attgccggct gcagcactcc ggcgggccgt 240

tcggcgagaa catcttctgg ggttccgggc agtcgtggac ggccgccgac gcggtgaagc 300

tgtgggtgga cgagaagcaa actaccatct tgacagcaac acctgcgacg ccggcaaggt 360

gtgcggg 367

<210> 5218
<211> 247
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316072b04b1

<400> 5218

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cggctgtccc cataaaggcg gatgataacg gtgcgaacac atacaactag catgctttct 120

tgtgagtgaa gagccgacag ttaattctcg gtttcaagac caacaccaag acgctgggca 180

gccccctggc gatgccaatc atactcggga tacaagtgga ttcgcctctg gaagtctgcg 240

atcgagt 247

<210> 5219
<211> 186
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316072b07b1

<400> 5219

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agtacttact ttgcttctgg tctacaggaa gttgccagaa tcatgctaac attaaatgca 120

cttgatgtac ctgctaagaa tctaaatctt aggatcttag aggagcctac tgtgtggtaa 180

ttttgt 186

<210> 5220
<211> 248
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316072b08b1

<400> 5220

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ccaagtggga cttttatggc cttcacaggc cttcgtgttt ctgggacgga gtccatcacg 180

aaagatgaac cagacagccc ggctttgttt gctgaggact gaactgaaca gtgcggccgc 240

gattgccg 248

<210> 5221
<211> 298
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316072b10b1

<400> 5221

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ggtcatgctt gccaaaattt gttcatgctg ctccgatcca tctaaaattg ggatcttgag 120

cttgtaaata gcacgataca gggaggaatt catgcatgtg taatctgctt gtttcgtttt 180

actctcggct atgctttaaa aatcatgggt tccatgatca ttctctaaaa aaaaaaaaaa 240

tataatactc ataattaatc tatttctttc atcatcttat atcatacaaa ttattagg 298

<210> 5222
<211> 289
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316072b12b1

<400> 5222

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atgtccagag tgaagataaa ctgctgtgtg acagtcctag atgagtacta gcacgataga 120

cgattacatg gttctagggt gggattgatt acgtgctctg atgcatcacc attaaggtac 180

aaatgatgac tgatttctga ttgacagatc aagtagtggc aacctaagta tcgttggtgg 240

gaactgtcaa ggggcgggag cttttgtggg ttcactatta cctgcccgt 289

<210> 5223
<211> 404
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316072c08b1

<400> 5223

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aactcagtgg agaaaacatc aacatcacat acaaacatga tggcactcac atagctgttg 120

gaaataagga ggatgagcta accatagtgg atgttcggaa gctaaaaccc gtccacaaac 180

agaagttccc ttacgagatt aatgagattg catggaataa aactggagat ttattcttca 240

taactactgg gcttggattt gttgaggtgg tcaactatcc ttcccttgat gttgtctgca 300

aattaaatgc ccatacagca gggtgctatt gcatagcaat ggatcccctt gataggtatt 360

ttgctgttgg aagtgcagat tcacttggca gtctttggaa atgt 404

<210> 5224
<211> 440
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316072c09b1

<400> 5224

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ttgaactcag tggagaaaac atcaacatca catacaaaca tgatggcact cacatagctg 120

ttggaaataa ggaggatgag ctaaccatag tggatgttcg gaagctaaaa cccgtccaca 180

aacagaagtt cccttacgag attaatgaga ttgcatggaa taaaactgga gatttattct 240

tcataactac tgggcttgga tttgttgagg tggtcaacta tcctttcctt gatgttgtct 300

ggaaattaaa tgcccataca gcagggtgcc tattggatag caatggatcc tcttggtagg 360

tattttgctg ttcgaagtgg caattcactt gtcaagcttt ggaatgtcaa aaagctgctt 420

tgcattaaaa cctttcaaaa 440

<210> 5225
<211> 397

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316072c10b1

<400> 5225

atcacattgg atgttggtac aaataatgag gagcttctga atgatgaatt ttacattggc 60

ttgaggcaaa gaagggtcac tggccaggag tatgctgatt ttctgcatga atttatggct 120

gctgtgaagc aaaactatgg ggagaaagtt ctcattcagt tcgaggattt tgcaaaccac 180

aatgcctttg atctccttgc aagatacgga acaacccacc ttgtattcaa tgatgacatt 240

cagggaacag cttcggtggt ccttgctggg cttgttgcag cactgaaatt agttggtggt 300

acattagcag agcacaccta cctgttcttg ggagctggag aggctgggac agggattgca 360

gaacttatag cttttgagat ggcaagacag acaaaaa 397

<210> 5226
<211> 416
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316072c11b1

<400> 5226

tcgtttcaac gtccatcctg gcgaggatcc cctctcctcc caccagcatg cggcccgtcg 60

ccacgggctt ccccgtgcat ccctcgcggc agtcctcctc tcttctcgcc tttactgcga 120

gcagtgcagt gcagtcctcg gcgtcggaag aacggcggcc tactccggcg gcatgggatg 180

caatacttgg gcacgcgatg tgcggtccgc agttgcggtt cgtcggacgt ttgtgtgtgg 240

ctcgcactaa ccagcaaggt gatgaagact accctgggtc aacgctattc tgcctcctct 300

gttgcgtgca gtttgctgcc tgctgcaccg tcggagattg cctcgcagtc catatttcaa 360

gcctgtgcag cttacagact acctatgtgc ggtggtacaa aagccagcga gaaaag 416

<210> 5227
<211> 349
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316072d02b1

<400> 5227

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ggcgatgggt aaggcggcta agagctcgcg gaaagggaag aaggcgtggc ggtccaacat 120

cagcaccgac gacatcgacg agttctacga gaagcagacg cgcgacgccc acgccggcgc 180

cgccgccatt ccctccctcc cgtccggctc cctcttcttc gtcgacaagc ccgccttcgc 240

gtccaccttc ttcgncgnca acgcatncga cccggccccc aaagatgttc ctgtcaaaag 300

gaagattgag aaaaacaggg agaaggttct tcaccatgag agtgtgttg 349

<210> 5228
<211> 342
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316072d05b1

<400> 5228

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caagaagagg aggtccgtcc tacgcaagtt cggagacttg tttaggagga gaagcctgct 180

gcacaagtca gacgactttg ctccggttct agctagtagg tagtactccc tctctgtacc 240

ataatatttg tggggagtac taaatatttg tgtgattctt gcattgtgtg tttgctggat 300

aagaatacta tgaaatacac gcagaaataa attgagccct gc 342

<210> 5229
<211> 245
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316072d06b1

<400> 5229

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gtgtactaag atgggcctct gcttttatag atcgaagcct gaactacact atgcatgaga 180

tacacttgca tggagtgatg aggattaaga gtaacaaaat tggccttttc tagacaagat 240

gagac 245

<210> 5230
<211> 237
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316072d08b1

<400> 5230

ttatttaaaa aaaaaaaaaa caaaaaaaaa ccatgatata ttaaaaaaca aataaagctg 60

aacaatgaaa aagaaaagaa aaaagaacat aaaaatgaag ggggggccgt tttaaaggac 120

ccaagttcac ctacccctgc ttgcaacaca aaagctttac tatagtgccc cctaaatcta 180

attaactgga ccccttttta caactttggg actggaaaaa ccctgggaag acccaat 237

<210> 5231
<211> 93
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316072d09b1

<400> 5231

ttgtttaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 60

aaaaaaaaaa aaaaaaaaaa aaaaaaacaa aaa 93

<210> 5232
<211> 126
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316072d10b1

<400> 5232

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ggatcgcggg tggacgatgg tttaggtcag gatcgtgacc catggtgcat caccctgatg 120

agttca 126

<210> 5233
<211> 392
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsro9316072d11b1

<400> 5233

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acagttatgt gtgtgggcca ccgattcttg ggaaaagaag aaatcggtcg ctatacaaat 180

gccagctggg aagactccat caggagacac aagggttcag tttaattctg accaaaatcg 240

cttgttagta gtccatgaga ctcagatagc tatttatgat gcgttcaaga tggagagaat 300

ctaccagtgg ataccctagg gcactttgtc agctgccata tcacacgcat cgtacttcgt 360

gcaatagcca actagttttt gcttgctttt ac 392

<210> 5234
<211> 341
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316072d12b1

<400> 5234

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catcattgag cttaattcat gggttcccga tgggcaaccg cctgtgtgga atttggttgc 180

cacacggcaa tccgggaact tcgtgtataa ctgcgccgtg atgggttgct gagtccactg 240

aataaagatt ggatgcagtg gatatttatg aaggatgata gtatgcacaa aggcagcccg 300

ttcaattgct tcagccctga ttcttcgaag cgatttatgc c 341

<210> 5235
<211> 145
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316072e01b1

<400> 5235

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ggtgacgaaa atgcatgaat ccgaggctgg tggaggaaac tctgctttga ggagttcacg 120

gacatggatg aaggcttttt tgatg 145

<210> 5236
<211> 228
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316072e02b1

<400> 5236

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cagtgcctag cctacaccaa gcccgttaca gagcccagct gtaagcctgc gacgacctca 120

cgctaagcaa aagtcacgat ggccgggggg atgcaggggc cgccgtcgag ggcaagcacg 180

acccgttgcg caaccggttt gggatgggcc ggaagcttca acttctta 228

<210> 5237
<211> 318
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316072e05b1

<400> 5237

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cgccatgaac cagggcaagc acatcgacgc gctgctggag tgcctaaaag agtggaacgg 120

tgagcccttg cctctctgct gaacagagga tcaagaaact gaagagaaga ctgtgtgcag 180

aaggctttgg atcttttaaa tgataaatga taatattttt ccaattgtat tttcttaaat 240

attgatgttt tgtgggatgg aacatccttt cggagctgcc atgttgtttc caaaaattgc 300

aactgcataa cttgtagt 318

<210> 5238
<211> 393
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316072e06b1

<400> 5238

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tgtacttagt ttttcctctg cttttctcga tcgatgccag tactacacta tgcatgtgat 180

acacttgcat ggagtgatga ggatttgtgt aacaaaattt tcttttccta gtaaagatga 240

gaccggtttt tcccagggac cctcggtgta ttgggatgtt tttgccaatt agtcagtgag 300

atgaaagggg acatgttctc ctactacctt actgatcaag ctggttatcc accgtgggtt 360

ggtggcactt tctacaagga ccgatcaaga tct 393

<210> 5239
<211> 133
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316072e08b1

<400> 5239

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taatacttgt caatgtaagc gaaagggcac aaattttcat gtcaaaaaaa aaaaaaaaaa 120

aaagatttaa tag 133

<210> 5240
<211> 140
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316072e10b1

<400> 5240

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ggatgaccca tgagagagat 140

<210> 5241
<211> 223
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316072f01b1

<400> 5241

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caagaagcgc agcaggagtg ctgcggctcc ctggtgtgta gtcctaggca tactcctgct 120

tgtcgtcggg gcggtggcca aggaccttgg caacatcttc caggactgcg aatttgattg 180

ccaagatttt gatccatcct ccgactccta cttcatgtgc atg 223

<210> 5242
<211> 200
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316072f02b1

<400> 5242

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cccaggatgg ccccactacc ggcgcctccg gcgaggtccc cggccactgc ccctgcgcct 120

gtcgccacct cgcccaccgc cgcgtcgccg tccccgatgg cctctccccc ggccccgccc 180

accgacgcgc cgactgacgc 200

<210> 5243
<211> 253
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316072f03b1

<400> 5243

gttgactatg tcggcaggga gcgagcgctc gaacgccgtc tacgcgaccc cggcggccgt 60

cctggcggac ttctcgcgcg gatccggccc gtccgtctcc ggcggcgccg cgggtaccgg 120

caccggcagc gggaggagcc aggcggaggg cggggcgagg aagaagcccc ctctccgcct 180

cgcggcggac gacaccaagc ccgtgctccg cgacccgatc tcgcggtccg accccatgga 240

gactgagcag gcc 253

<210> 5244
<211> 300
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316072f06b1

<400> 5244

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ctccgacggc ctcgccgggc ggagcggaca cgggagaggt gcatggcgta gccctatgta 120

tatagaatct aggcataggt tgaggacgag tagtgcccat gtggcgtatg gctggatgcc 180

gatgaggaga gcgccggcgc catgtactag cagcggttgg tgagctacgg tggctgcgac 240

tcaggcaagg ctggctagtg gccaagacct gccgaggggc gtgcctgtgg ctcattcacc 300

<210> 5245
<211> 234
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316072f08b1

<400> 5245

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atgaaggcat gtggtggatc ttccagggat gattactagg gtggaggatc tgggaggtct 120

ccgcattaac ttcaaaagac gagggcgttg aggtatttgc tgtgcacact cattttctgc 180

aattgttcat ggactcagag cattttcaaa tattatcctg aaggatttct ttgg 234

<210> 5246
<211> 359
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316072f09b1

<400> 5246

ttgtttgact gaggtgaaga aggggaagaa agctgtggac aagattggtg gcggtggaac 60

tatgaaggca agtggtggat cttcgaggga tgattacgag ggtggaggat ctgggaggtc 120

tcgcattaac ttcgaaagag gagggcgttg aggtatttgc tgtgcacatt tatcttctgc 180

aattttcatg tcctcagtgc attttcaaat atcatcctga aggatttctt tggagaatat 240

gatccttctt acacaaggaa gcaaatatca tcctgaagta ttactttgga gaatatgaac 300

ttttttacaa aaggaagaac ctgatggttt agttgctggg ataaggctgc ttggtctat 359

<210> 5247
<211> 218
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316072f10b1

<400> 5247

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tcaagcattc agtactgttg ttgcggccat cactcagagg atgtcataaa gtacctctta 120

ttgaaagaac catgtgatgt ttgatggctt gctaaaaaaa ctttttgtat catgagaacc 180

tgagttttgt ataactagga tctttgtctt ctgttatt 218

<210> 5248
<211> 353
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316072f12b1

<400> 5248

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atatgttgaa catcacctca agtccccacc ctctgtccca tatgacaagc tctctcatgt 120

ctacacggct atcttgaagc cggataacga ggtcagaatt ttggttgatg gggaggagaa 180

gagcaaagca aacttccttt ccgctgatga ttttgagcca gcacttattc catcaaagac 240

tattcctgac cctgacgaca agaagccaga ggactgggac gagagagcta aaatccctga 300

cccacctgca gtgaagcctg atgactggga tgaggatgcc ccaacagaaa ttt 353

<210> 5249
<211> 277
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316072g01b1

<400> 5249

ctgtatcata ctgttggatg ataacatggg gccgataatc gccaatttcg gtctctccag 60

actctttggt caagaacaaa cacggatgaa cacacagaat gttgttgggt catatggata 120

catagctccg gaatatctat acagaggtga aatcttcacg aagtcagaca tatacagttt 180

aggcctacta atcatggaga ctaccacggg agagaagaat tgtccaggca aagaaccgtt 240

ttgaggtgaa ttcaataaaa atgttcctga aaactgg 277

<210> 5250
<211> 351
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316072g02b1

<400> 5250

cctacttgtc cgggggggacg accgatccat gggggccgtt gattaaatga ggccagcaga 60

tcgcggtgcg ccccccgtct ccgtcttcgt cgccgccccc gtctccgttg cggtcttcgt 120

ctccttcttc gtcgccgccg ccgacgtcgt cgtcttcccc gaggttgcat tcagcttcca 180

attattgccg tgatccccag gaagagagag tacttggggc actctcctat gcttctccga 240

gactcgctca ttttttttcct tgcaagggaa ccagaccgtc gcatggcggg aaacttgggg 300

aatttgcctc atgcaacttg aataatgaag tcctttggct tttaaggttc c 351

<210> 5251
<211> 320
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316072g06b1

<400> 5251

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gtgctgggcg ttcctgtggc gctactacct gaacacgatt acattgttag ctgcttgctc 120

ttggaatccg cccctggttt ggtaattgcc catgaagact ctgtgtgtag cgtggatctt 180

atgagatatg atggtgtctc atgtgatgaa ccatgcgaag aataaatgtt agtgggaata 240

atggtacacg ttattacttg gggagatatg ctgactgatg tagacaaata ttattgcctt 300

gaaatgattc tggtataatc 320

<210> 5252
<211> 212
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsro9316072g08b1

<400> 5252

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atgacgcagt gcgtgctaat aaatcgttct ggttttcggt tgtttcagct acctgtagta 120

gccacgcaat ggcgtttgta agtaaacctc agtatgaagg ttgccatgga ataaagcatg 180

tatacatgct gcggaaggta agcttttgca ac 212

<210> 5253
<211> 244
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316072g09b1

<400> 5253

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tgacgcagtg cgtgctaata aatcgttctg gttttcggtt gtttcagcta cctgtagtag 120

ccacgcaatg gcgtttgtaa gtaaacctca gtatgaaggt tgccatggaa taaagcatgt 180

atacatgctg cggaaggtaa gcttttgcaa cctataaaaa aaaaaataat taataattct 240

ccta 244

<210> 5254
<211> 178
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316072g10b1

<400> 5254

cggcaccggc ccggccttac ttcctggacc cacccacccg ttttcttcgc caggccacac 60

tccgggaccc ggggatccac tccgggtatc cattagctga cccacgactt tcagttgcac 120

cgaaccatgc tatgacgccg acgaagagag catgacccac tctaaccagg gaggcgag 178

<210> 5255
<211> 260
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsro9316072g11b1

<400> 5255

tggtcacgcg tccggtcgga gaacacccac cacaatggct acgcccgagg cttactccct 60

cggcgaaacc ctagcgaccg gagcgctcgg tggcggcaga catggccgac gacgactaca 120

atgaagtcga catggggtac taggatgagc ctacagaggc tgatattgag gaaggggctg 180

aagaagaccc tgagaacaac gaggatgccc ctgatgacgt gggagggggt gaaggtcaag 240

aaaaggaaca gcgaaagact 260

<210> 5256
<211> 185
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316072g12b1

<400> 5256

tgctttacgc gtccgaccac gcgtacgtcc actgcgtatt atttttcaag ctgcacgttt 60

taccttctgg catgactacg taccctatgt gggcttttag aaatgctgta tcttcctatt 120

acaaatggag aaaaacaaga aattctgcgt ctattataga aactttctgt agtatgagaa 180

ctggg 185

<210> 5257
<211> 228
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316072h01b1

<400> 5257

catagattgc ccagagcaga gcgagagcgg ccatggtgtt gtcgagcttc aaggtgacgc 60

ggatctcgga gggcgcggtg aagccggtgt tggagacccc cgaccatacg ctgccgttgg 120

cgtgggtgga ccggtacccg acccaccgtg gcctggtgga gtcgatgcac attttccggt 180

ccggcgccga ctcggtccct gtcgtgattc gtcaggcgct gggcaagg 228

<210> 5258

<211> 259
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316072h02b1

<400> 5258

aatagatctg ccctctctct ctctctcgtc cgcggcgata cgatccgaga tggcgatgag 60

ggcgtggagg aggagcgcgg cggcgagggc cccggcgcac ctgtgcctgt ggctggcgct 120

cgtggccgac accctggtgc tcgcccaggg taagaagtcg aacctgtcgg aggtgacgca 180

caaggtctac ttggacattg agatcgacgg caagcccgga ggaagggttg tcatgggact 240

tttcggcaag gctgttcct 259

<210> 5259
<211> 269
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316072h04b1

<400> 5259

gtcactacaa gcacagaggg agaagaagaa gggatggcgc ctatgaaggt gtacggctgg 60

gcggtgtcgc catggatggc gcgggtcctc gtctgcctgg aggaggccgg cgccgagtac 120

gagctcgtgc ccatgagccg caacggcggc gaccaccgcc gcccggagca cctcgccaga 180

aacccccttcg gcgagatccc ggtgctggag gacggcgatc tgacgctcta ccaatcccgt 240

gccatcgcaa ggcatattct gcgcaaatg 269

<210> 5260
<211> 307
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316072h06b1

<400> 5260

cctactcgtc cgcgcacctt ggcagactac aacatttatt aaggagtcaa cccttcactt 60

ggtgctccgt ctccgaggtg gccagtaagc tcgtgaccat ggagctgctt ctgttatctg 120

ggttcacatg tctcggtgtc ttcggttcct ccaatggagt ctggtctgtg tctgtcgttg 180

cctgaactgt ctttgtttct atatatatat accatactgt gatgcagtgt tattgtttgt 240

aagtgcaaac ttctgctggt gtgcagcaac ttttgatgaa ctttaaagaa taaagtgagc 300

cctgaat 307

<210> 5261
<211> 250
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316072h07b1

<400> 5261

tgcacggacc gggcactgac tttctggatc gacccacgcg tatagttatg acctatatat 60

ataatataga acgtgtgtga ttctatccaa gatggcgatg aagggccttg aggaagaaca 120

cagataaaaa gacccaaaga acacacttag ggggcggctg ttttaaagaa tcaaaattct 180

ggtgctcgtc cagggaaaga aatagttctt ttttagggta acctaaattg attaaattgg 240

ccgtgtttat 250

<210> 5262
<211> 203
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316072h08b1

<400> 5262

atagttatgg ctgccatgtc tatcaacgac catgttttgc tacacatcct gattacgatg 60

gctgttccgg acgatcttat agacgctggc ccatatacac cggggcctga cgtgggcgat 120

gccctaaccc acgcctatac tcccaccgag aaagacgtcg aacctgtgag tgtgaaacac 180

caagcatata ctgctgcata cca 203

<210> 5263
<211> 236
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316072h09b1

<400> 5263

tcgtttaatt gctgccaaga atatcaacga acatgtcctg cttcagatcc ttattcccat 60

ggctgttctg gacgcccttа caaaggctgg cagaaatagt tgggggggaag acctgggcca 120

tgccataacc actgcctata ctcccatcta tgaaaccatc gaatatatga gtgtgaaaac 180

cgagcatagc gcgctggata ccatgaaccg gatcaaaagc gcactggaag gatggc 236

<210> 5264
<211> 203
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316072h10b1

<400> 5264

tgcttgcgtg tgatctgatg gagtcaagca ggtttgcttg tgcgtgtgcg tgcggtttgc 60

tcgctcgctc tcccatgctc tgcccattgt gtccttgtgt gtatgtgcgt gtgcatgtgc 120

ccctgtaatt gctttatcta tccccactat ggatggagtg atgaatatgt aagaatgaaa 180

gatttaccta attaactact cct 203

<210> 5265
<211> 316
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316072h11b1

<400> 5265

tggtttagtc ggagaagggc tgacctgagg acgagtgatg gaacgcgacg gcgccggccg 60

ctcggtcgga gccagcgagc cgtcggacgg cgactaagga gccggcgttg gtgtccatgt 120

ccgcctcgcc ccttggcgcc ggcgtctctg ccacctctac ctcccgctac tcgtcgctat 180

ccgcgcgacg gcgggggtcc atgcgccggc cggagctcca atttttgcgg cggatcccga 240

gggaggcaga agaggaaaag gagggaaggg gctcgaggtt tggcggccgt ctctttcgtc 300

cgttggttaa ttggtt 316

<210> 5266
<211> 340
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316073a03b1

<400> 5266

tttgggaatg ggatatttga ttgggtagaa tggacgacat ctataccgga gaagtagtaa 60

tctgttagta tcctccagaa aatcatagag aaggacgcca cggtctcaac agatggacgg 120

cctgccgtca agttggacag cagaatcata gaactctaca aagtgtatgg gttgactgaa 180

aggtgagatg aggggttgtc aacaacatct atgaaatacc tggttaatta atcctacatt 240

tcagtatcaa ccaacatttg ttccttcctg agctctcaac cctagtctca tcgatgatgc 300

agcctgcgca tcacttgttc tcagttgctt ggtaagtact 340

<210> 5267
<211> 178
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316073a04b1

<400> 5267

ccggccggat tcctggttga cccacgcgtt cgtctctttt gtgcaaggat ggcaaacgcg 60

ccttgtttgt tatttccatc aatatactgt cttatcgtga aaaaaccaaa aaaagccagg 120

tcgtgtgagg ccccttctca aaataaagcc cccatctcta gctttaaata caccgcag 178

<210> 5268
<211> 224
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316073a05b1

<400> 5268

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tctgtgtagt gatgctgtga gcgtggtgtg tgtgacgacc cagtacaaaa taaagcctac 120

agctcgtact atatgtaccg agcaagattg cgttcactct aacagtcacg tgctctgtgg 180

tgtaactggc gtgtggacaa ttctgaacga gagtttttac gcat 224

<210> 5269
<211> 371
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsro9316073a09b1

<400> 5269

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cccaccgacg acgagctggt ggagcactac ctgtgccgca aggcggccgg gcagcgcctc 120

ccggtcccca tcatcgccga ggtcgacctc taccgcttcg acccgtgggc gctccccgac 180

cgcgcccttt tcggcacccg cgagtggtac ttttttaccc cgtgcgaccg caagtacccc 240

aacgggtcgc gccccaaccg cgccgccggc aacggctact ggaaggccac cggtgccgac 300

aagcccgtcg ggccccacgg agggcgcacc atggggatca agaagcgccg gtggtttatg 360

ccgggaaggc t 371

<210> 5270
<211> 432
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316073a10b1

<400> 5270

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gcacaacgac tggggtatct gcaaaggata gggcaaagac agtcatgact cttgcatctc 120

cttactcaaa gcctgaagat ttcaatcggc ctggccatat tttccctctg aagtacagag 180

atgggggtgt tctcaaacga gctggacaca ctgaagcatc tgttgatctt gctgtgctgg 240

ctgggttacc tcctgttgga gtactctgtg agattgtgga tgaggatggt tccatggctc 300

gcttacccaa gctgcgcgtg tttgctgaaa agaataattt gaagatcgta tcgattgctg 360

acttgattag atattggaga aaaagagacc gactaattga acgtgcatct gttgcacgct 420

taccttgag at 432

<210> 5271
<211> 443
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316073b05b1

<400> 5271

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gggttacctg tttggagatg gtgagcctgc aaagcccgct gcagcaccag ctgcgaagcc 180

cgcacctgct gagaaaccag caccggcagc tgctgatgta gccaagcaga ttccagctgg 240

cattccaggt agccgggcga acaactacta ccgtgcagat ggccagaaca cgggcaactt 300

ccttacggac cgttcttcaa ccaaggttca tgctgctcct ggcggtggct ccttcctggg 360

ctacttgttt ggcggaaagt gatgttaatg atgctgctta atgaacgaac gatgaattgg 420

gcctgtttct ctgttatcca tgt 443

<210> 5272
<211> 246
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316073b06b1

<400> 5272

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cctaatctat ttgatcagat tcaactacta ttttattttg tgtttctagt tggaaaagta 120

taaagggcat gcacgttcaa tctcacgagt gttgtaagct acttgtttgt caagtttcgc 180

ttgaccattg cgtgcttgtt gtcgatgttg tgattgtctt ccccaggaaa attggtgtaa 240

cacttt 246

<210> 5273
<211> 504
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316073b08b1

<400> 5273

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accaggtgtt ggacaacggc ctgcttgttg atccccacga tcagcatgca attgcagatg 120

cactctataa gcttctttct gacaagcaac tctggtcaag atgtagagaa aatgggctga 180

aaaatataca ccggttttct tggcctgaac attgcaagaa ttacttgtcg aggatattaa 240

ctcttagccc aagataccct gcttttccgg gcaatgaaga ccagattaag gcacctatca 300

aggaaaggaa gtgtatcatc gttattgctg tagactctgc cagcaagaaa gatctggtct 360

gtatcataaa aaattctatt gaggctacac gtaaagaaac gttgtcaggt tcaacaggtt 420

ttgtgttgtc gactttcctg acaatgtcag agatacattc cctattaata tctgcaggca 480

tggctcctac agattttgat gctt 504

<210> 5274
<211> 451
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316073b09b1

<400> 5274

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ctcctcggac tcggacgacg acaagaaggg gccggcggcg ggcgagaagg ccaagatcta 120

ccgccttttc ggccgcgaga agcccgtcca cgccgttctt ggcggcggca agcctgctga 180

tcttgatctt atggaggaac aagatggtct tcggaggggt gcttgctggc gctacggcca 240

tttggctgtt gttctaggtc atggagaacc atctgctcac tttggtgggc cactgcctta 300

ttcttttcct ggtaacactt ttccttttct tcaatgtctg cattttatt tcacaagttc 360

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actggggcat gagaacaacc ggggcttttt t 451

<210> 5275
<211> 347
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316073b10b1

<400> 5275

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ctggtgttgg aaaatcatgt cttttgttaa gatttgctga tgatacttac actgaaagtt 120

atatttcaac tattggagtt gatttcaaga ttagaactat tcaattagat ggaaaaacta 180

ttaaattaca aatttgggat actgcaggac aagaaagatt tagaactatt acttcttctt 240

attatcgtgg tgctaatggt attattgttg tatatgatgt tactgatcaa gtttcattca 300

acaatgttaa acaatggctt caagaaaatt gatagatatg cttgcga 347

<210> 5276
<211> 166
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316073b12b1

<400> 5276

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cccttgctat gtacggcatg acggggtatt tcccctcttg atctacctct tgtatccata 120

attcctccat gaaatccaac ttaattttct gaattctaaa caaaaa 166

<210> 5277
<211> 438
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316073c02b1

<400> 5277

ctctcatcgt atcttaccgg gggtcacctg agatcacata cacaatggtg aaggctgtgg 60

ctgtgcttac cggcagtgag ggtgtcaagg gcaccatctt cttcacccag gagggagatg 120

gcccgaccac cgtgacggga agcgtcactg gactcaagga agggctccac ggcttccacg 180

tgcacgctct tggtgacacc accaacggct gcatgtcaac tggaccacac ttcaaccctg 240

ctggtcatgt gcatggggca ccagaagatg aaatccgcca tgctggtgat cttggaaatg 300

tgacagctgg agcggatggt gttgctaaca ttaatgttac tgactgccat atcctcctta 360

ctggaccaaa ttcaattgtt ggccgtgctg ttgtcgtcac cgtgaccctg atgatcttgg 420

caagggtgga catgagct 438

<210> 5278
<211> 427
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316073c05b1

<400> 5278

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ggccgctcgt cgtcctggct ctggccgtgg cgctggccgg ggtggcgctg cgagggggcg 120

ccgcggaggg ggccggcgag tgcgggaggt cctcccccga ccggatggcc ctgcgcatgg 180

ccccgtgcat ctcggcggcg gacgagccgg actcggcgcc ctccagcagc tgctgctcgg 240

cggtgcacac cctagggaag agccccagct gcctgtgcgc cgtcatgctg tccggcaccg 300

ccaagatggc cgggatcaag cccgaggtgg ccatcaccat ccccaagcgc tgcaacatgg 360

ccgaccgccc cgtcggttac aagtgcggag aatacacgct gccttgatgg cccagctctg 420

gtgctga 427

<210> 5279
<211> 248
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316073c09b1

<400> 5279

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gcgcccggga ggatgggtgc catctacacc gacggcatgg tggcgcgcgc gcggcggtcc 180

ggcgacagta ccaccgacgt gttcgagcac gacgtggacc ggacggagga agacaaggtc 240

tccaagga 248

<210> 5280
<211> 190
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316073c12b1

<400> 5280

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atacaggcaa ttttgctgta aatttcataa taaaaataaa aatattaaaa aaaattaaaa 120

aaaaaagtaa aacaaattaa ataaaaaaaa aaaaaaatat attaatataa tatatatata 180

ttatataatt 190

<210> 5281
<211> 336
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316073d01b1

<400> 5281

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gatgcatgcg gtgcaaatgg caagagcccg gaggtatagt atacatgtac tgagccgtat 120

atacatgtgc tcatcttgtc gtacgtacta cgtatctgtc ggtgtgtgaa agtgtgtgct 180

gccacgcatg tcccctcttg gcagtgactg tgtccgtgtg taacattgcc actacttcaa 240

atgtgtgcac tttagtacat gtgtatgtgg tttctgtaaa caatctactt cggggttaat 300

taacccaccg acagaactac agctatctta tcgctt 336

<210> 5282
<211> 317
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316073d02b1

<400> 5282

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gcaagtgtac gtcgtcgtgt catcatcagt aagccagttt agtttcattc tctctccctc 120

tctctcacgt gtctttgaga aattcagggt aaacagtgtg agtcagtcag tcaggaataa 180

tctcttgtct tggtgtatgt cctcaattat gaatgcttct attccatggt caagattgat 240

gtttgtaaat caaaaaatta ttcttaacta ttacccattt atcttccttt cctctcactc 300

ttcaattact accctag 317

<210> 5283
<211> 410
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316073d03b1

<400> 5283

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agcgacgcca agctcaagga gatgagcggc agcatcatct tcgccgtcgg ctaggcgccg 120

gcccgggact tcctcggcgg cattcgcaag ccccccggcg gcgagagcag catcgcgctg 180

gtctaacagc gacgacgaca tcccctgatg gacaggacag gacagacata gcctacaaca 240

ttcttcgttc ttcaccttta ccccctcgcc gtctcgatct aggagtgatt gattttctag 300

ggagcttttt ttttttcgtc gtcttctttg gtgggactga tctgcgaatg acctttttggt 360

ttggttttcc ccctttaaaa aaaaaataaa aggggcgccg ttttagagga 410

<210> 5284
<211> 389
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316073d04b1

<400> 5284

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cgacgccgcc ccgatcagca cccagcccgc ggcggaggag gtgacggtgg agaggacgcc 120

cgaggaggag gaggccaggc tgaggtacct cgtgttcgtg cagcaggcgg cggcgcaggc 180

ggtcgtgctg gccgccgcgg tctacgccta cgccaagcag ggcgcaggcc cgcttcgcct 240

cggcgttgac cacgtcgagg ggaccgtcaa ggccgtcgtc ggtcccgtct acgaccgcta 300

ccacgccgtg ccgtttgacc ttctcaagtt ccttgaccgc aaggttgatg agtctgtcca 360

ggagcttgat tcttgtgttc caaccgttg 389

<210> 5285
<211> 340
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316073d05b1

<400> 5285

acacactcaa tcttgccgtt tgtctatttt tgttatcctc ctcaaggctg agccccaccg 60

ccttcgacga gtggccgttc ccgccggggg cgggggagag cctgtggagc taccacgatc 120

cctagtgagt agtatattgc attggctcaa gacatgatga ccggtgagct ggttggtacg 180

tgctccagta ctataccagt tactaaacct agttaatccg gagtcgatac atggaccccg 240

gccgttgcgg ggcattcgtc ctctatctgg tatatatgcg tgtgccatga taggggtatt 300

attgggtgct ggcctgccat attatagccg ttacctagaa 340

<210> 5286
<211> 449
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316073d06b1

<400> 5286

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gatccccaag gccggcgacg atggccgcgg ttcggtgcgc ggcgaggagg ctcggcggct 120

ctctgctcca gcgaacgcag gcggcggtcg cggaggaggg acgcctgctc gcgccaagca 180

ggctcatgcg ctcccgccag ctctccacca aggtctccgg cgagcgatcg caggtggcgg 240

agcgacacct cctcgagcca ggcagcctca tgcgctcccg ccagctctcc ggcgagcatg 300

ctcgcaacat tcagaagaaa gaggatgact gctgggcggg gttcaatgag acgctaaaga 360

ggttggacga gcttcataaa aagaagaaac caagtgtctt tcagcagcgc atgatattca 420

tcgaccgtgc gttgaagagt ttgtctatg 449

<210> 5287
<211> 468
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316073d08b1

<400> 5287

ggatacatcg cagtgcgaga ttatctggat acattgcgca attatgttgt taatataagc 60

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gggatagatt tgatttccac tattctagtg gaatatgaca tgcggatcaa ggtaggtgag 180

gaagaaaggg atgattacca gctgattgat ggtgtaacag acatagacga cctgggccca 240

tggaattgtg cattgaaaaa tcgcatccaa ggcgactgtg gtgcggttga cttaaccata 300

gcacgtgtcg atgacgcagt catggcgaat attgaagttg ttgtgttaga ggtgcagagc 360

agctttgatc tatgcttgcg ttgttatatc ggtgattata acgaaggaat tcggctgttc 420

aatggtacaa ttggcgagta acgtatttaa agaggtctgt ggttgctg 468

<210> 5288
<211> 355
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316073d10b1

<400> 5288

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gcaagcacag ttttccccat catagtgcct caaatcccag actccgttgc actggatgct 120

cagatctttt ccgggtctgc aaatgcaatg cagtacactg ccaccagcat tgcggttgtc 180

gaaaaaccag tgcagaacag aatcgaggtc tgcatgggcg gcaaatgcaa gaaggcgggc 240

tcgctcgtcg tcctgcagga gtttgagacg gtagttggca cccacggcat ggtggtcggt 300

tgcaaatgct tggggaaatg tgggcttagc ccaaagtgcg gttgtaagcg agggc 355

<210> 5289
<211> 311
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316073d11b1

<400> 5289

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tgtgcgttgt ttccctgaat tatttatgcc gtagcaggtt agtcaggtac aaactcgcgc 120

agtaggccat atcttgttgt taacttagtt ggaaggatta ctactgcttt acatatctta 180

ttagttgggg aggctctgtg ttctttcaac acctttcttt attgtttcac tgaattgcta 240

ttatctcctg taagaatgag aaagattctg aaacaccagc gatgaatttc aaagtaatag 300

gaatgctttt t 311

<210> 5290
<211> 237
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316073d12b1

<400> 5290

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gacaagctcc gtcgtgccgt cgtcacccaa ccccttgcca tcaatacagt tgcaggggag 120

gcgattaaag cagtctccgt cgatgcctac gaccccgacc acgtcggaga cgccgtcttt 180

cgttacgccg tcgtgtggtg gaagctttgt ggcggagcgt ttttcacccc gggagca 237

<210> 5291
<211> 462
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316073e02b1

<400> 5291

gctgcgccgg aggggccagg gcgtcgggat cctcgtctcc aagcacccca aggacaccag 60

cgcctccttc tcgctgcagg agccggccga ggtcatggag ttcctgctcc gcctcgtcga 120

gtggaagcag ctctccaggg cgcgcctcag gctgcggcgt caggccgacg cctgatccaa 180

cggccggact aattaattca ctacgtgtag cttaattagc tagttaatga atcccctgct 240

catccgaaca aagccaaagg ctacgtacgt ggatgggaag aaggaacgta ctatggcgaa 300

cctgtggctg tggagcattg ttgcgccaca tgttgtgttc taattaaccg cccttctctt 360

tgtggggatg tataccgtac ctaccgatta tgcatgcatg taaattacct ttggtcacgt 420

acaaggggag gaaccatgga ataaagaaag agcaacctga gt 462

<210> 5292
<211> 428
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316073e06b1

<400> 5292

tccttctata ctaatagctc atgagtcata tgcattttgg cctcttgttg ccaaagatct 60

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tccacggaag tggaacacaa ccgaaagaag cacacagtat gtgaagcttt ggaatggttc 180

agtcagcgaa tcagtgaaga gcgagcccta cctagcattc agcatcctct ttattttcct 240

aaggatattc tcgttcttct tcccaaagtt cttcgcctgc atcaaaggct tgtgggctca 300

atacttccgg cacgccaact ttggagtccc tgccaaattg acgcagctgc tcgaatgtgt 360

gccccatgcc gtggatgtaa ggaagatgtg gagcaaatga ggcttatgtt tggagccata 420

acatgaga 428

<210> 5293
<211> 387
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316073e07b1

<400> 5293

gggcggtgcc aagcgccacc ggaaggtact gcgcgacaac atccagggca tcaccaagcc 60

ggcgatccgg cggctggcgc ggaggggcgg cgtgaagcgc atataggggc tcatctacga 120

ggagacccgc ggcgtgctca agatcttcct cgagaacgtt atccgtgacg ccgtcaccta 180

caccgagcac gcccgccgca agaccgtcac cgccatggac gtagtctacg cgctcaagcg 240

ccagggccgc accctctacg gattcggcgg ttaggccgcc accagatcag tagctagact 300

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tgctcgtaaa cccttgtaga ttggatg 387

<210> 5294
<211> 227
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316073e09b1

<400> 5294

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tctcttcatt ttactgttcc atgacaacag cgtttcattt tattcatagg gttttcacta 120

ggcgttttct aaaaaagggc tcccagattc tagtggaaga actaagtagt tagtggcgca 180

atccactaac atgtaatcgc tacctacgaa tatgtaatgt tacgatt 227

<210> 5295
<211> 472
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316073e10b1

<400> 5295

cgtctgggga agaaggtgcg cgtcaagtgc aacgaggacg acaccatcgg cgacctcaag 60

aagctcgtgg cggtgcagac cgggaccagg gccgagaaga tccgtattca gaagtggtac 120

accatctaca aggaccacat caccctcggc gactactaga tccacgacgg catgggcctc 180

gagctctact acaactagcc ttcggccatt gcaggttggt cacctattgt tgcctgtgat 240

gatagttttg gttgcattcc agtcccagtg ttttcagagc tcaatgtgtg ggctgaactt 300

taacgagcta ctatataagt agtgcattat tgtacccatg atgatttatt gacagcctga 360

acatactttt tctgtgatcc acctgcgaaa ttaatgtgct tgatactgtg aagtttataa 420

attacataaa ctggttttac ttgggtttgg ataaaaaaaa aaaaaataaa ag 472

<210> 5296
<211> 197
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316073e11b1

<400> 5296

ctggagcttg gagatgcttt ctttacctgc tgataagacg tcttgttatc taataaaaat 60

aatttgtaca aataaattta aacaaaaaaa actgcagaaa tagacaaaaa ttactaaaaa 120

aaacttgaat tccggaattt atctcagaca caaaacctct taaattaaag gggggccccc 180

tttaaaggaa ccaattt 197

<210> 5297
<211> 210
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316073e12b1

<400> 5297

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gagtttcagt tatgtagttc tgctgtcagg cactcgggct atgttgtggc gtcgccggtc 120

caggactaag ctgaattttg tttgttcgtt gcaacagaag cttatctgta aatagctgaa 180

ctaactactg cttacaggac atcacagttt 210

<210> 5298
<211> 407
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316073f02b1

<400> 5298

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tttcttcatt atgcggaagc aacagagatg gccataaaaa aaattgaaca tgttcactta 120

cagcagcaca gttaactact tcaaccgaag ctaaaaatat ccatccctcc attgggcccc 180

ctcattttga ttagggtaca acacatactg ggcaactaag cccacggaac aattatttcg 240

gagcccaaat ccaaaaatcc cggtcacccc ttggagctta ccaccgttgc aaccaccgcg 300

agatacacaa accggaaggg attaataccc aggtctcaca cccccacctt ggggggggccc 360

ccacggcccc tcttggcagg agcggtgccc gcccccggga cccgaaa 407

<210> 5299
<211> 501
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316073f04b1

<400> 5299

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cctgtgctct ctaggtcttc tgtgagtgtg ggttggcaag atataatagt taggagtttg 180

ggcccaaacc gctctgtaca tggagtcagg tcagattctt gtagacagtc tgtttgttta 240

atttgttatg gtctctacaa tttagcttgc aggactggat cttgatctgg tctggaaatg 300

aagcttcata tggtgtgtga acatatggcg aagggtactt gaggcaggtc agtttcccat 360

gtttggtcac attgatttgc tggattcctt atctgtgctt ggtgacctca gatttgagtg 420

gctttaccct aattccttga tttatgtttg gctgatggct gtttgggagc cttcttctgg 480

atggggaaat tttttgaccc c 501

<210> 5300
<211> 463
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316073f06b1

<400> 5300

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ggcggcacaa gaagcggcag cagcggagac aatggcggcg gtgaagcgcg cctacctcgc 120

cgtctacaac tgggccgtct tcttcggatg ggcgcaggtg ctctacttcg ccgtggaggc 180

gctgctccgg tcggggcacg aggacgtgta cgccgccgtc gagaggccgc tccagctcgc 240

gcagaccgcc gtcgtcctcg agatcctcca cggcctcgtc ggcctggtga ggtcgccggt 300

gtcggccacg ctgccgcaga tcgggtcgcg cctcttcgtc acctggggca tcctttggag 360

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cgagattatt aggtactctt ttttcggcac aaaagagctg ttt 463

<210> 5301
<211> 205
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316073f07b1

<400> 5301

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tattatcatt ttgcttagtt cttctgttgt ttttgtagct aagtagcctg ttcggcgatc 120

caatgcattg gaatacttca attttgtagc ttggctgtaa agtgtataca cttttattca 180

ttgtttaata ccaatgtgat gaagt 205

<210> 5302
<211> 292
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316073f08b1

<400> 5302

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cggtcctttc tcgtgtgaag tatctgtttt ctgctgactc ggttgcttct gataggcgtt 120

gagtagcaac cttgttgata actggggcat cacactttga ttgagttctt cgtggacttg 180

ctccgtgtat ctgtattaaa ttattcatac cattctgttg tgggcgcacc aataaggagt 240

aaacaatttg gattgcacca acgggttaat gtaataaatt cttacttttt tt 292

<210> 5303
<211> 302
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316073f09b1

<400> 5303

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acccaccacc atcaagtcat tccatgctat ataatgtcaa gatcaatcaa gattagggta 180

tgacgcccat gtaaatcttg tggttgtcct gacttacttt tctagcttct atggaggata 240

agtatgtgtg tgctggttgt actatgattg tgtaatgata tatattaaaa ttcctacttt 300

gt 302

<210> 5304
<211> 91
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316073f11b1

<400> 5304

tttggtttcg gacttgccat ggcaagggaa tgttgcaact gcttggttcg attcgtaatc 60

atgaaccctt tgtggtgtcc tgtgtttgtc c 91

<210> 5305
<211> 309
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316073f12b1

<400> 5305

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gtagttcctg aaataaggga gccgcaaggt cgtctgacgc cattcaaacc ggccggtgct 180

cagggtggag tggcacccag taaagctcag ctatctcttg atacatctca caattaaaga 240

gcttatgtgc tattgctcca ggaggtgcta gattaaggct tgcttgtagt tcttggatcg 300

gatgttttc 309

<210> 5306
<211> 366
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316073g03b1

<400> 5306

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cggatcaaag gtaaagcacc aactagcaaa agtgaagaaa gctatcatag gcaagcctgg 120

gcacacaaaa tctgaattac caaaagcttg agactgcatt caccttagtg tgtgtatatt 180

tttgttacta tttgtacatt tgtatgctgt ttacttgagg tgtagtatga ccgtgatggt 240

actagtaaac atcaaggttt cgctatggcc attgcattga aatgttgtgt gattgaagaa 300

cgatttgtaa attaaaaaaa taaaaaaaaa aactcattct aaatataata aaaaaaataa 360

tacatg 366

<210> 5307
<211> 243
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316073g05b1

<400> 5307

aaacataatg tatggaataa atcatcttat tgagcatgtt cttgcatcac aaaaaaaaaa 60

aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaag aatgaaattg 120

ataaaaaaaa aaataataaa cagaacaaaa gcaaggagaa taataaaaat taaaaaaaat 180

aaagcttatt caaaatcata aagtgggggg gtctgttcaa agggggataa aattcattcc 240

ccg 243

<210> 5308
<211> 338
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316073g08b1

<400> 5308

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tggtgttgat cgacgtgtgg ccttgttgtt aattgtgtag ctgctctgcc gcagctttac 180

ctaaagatat tattgtcgtt gtattttggg gtgaatcatg ctaatactat gtggttcttt 240

ttttgcttgt attattactg tcctagtaaa aaaaaaaaaa aaaaaaaaaa taaaaccaaa 300

aaataaatta aaaaaatata ataaatatat aacccagg 338

<210> 5309
<211> 399
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316073g09b1

<400> 5309

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tgctgcgggg ggctgaagac ggtgctgcag accagcccca agtgcctgtg cgtgctcgtc 240

aaggaccgtg acgaccccgg tctggacttg aagctcaacg tcaccagggc gctcggtctt 300

cccgccgtct gcggcgcgcc cgccaacatc tacgactgcc caaggctact gaacctgccg 360

cccaatttca aggacgcgga ggtcttcgag cagtttgcc 399

<210> 5310
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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316073g12b1

<400> 5310

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gcgccgcgga gatgatgatg gtggcgccgc ccagggccgc ctacgacgag caggacgagg 180

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ccgccctcat gacgcagctc cccatcaaga ggggattgtc cttgttcttt gacggcaagt 360

cgcagtcgtt cgcgtcgctg gcggccgtgg ccttcctgga ggacct 406

<210> 5311
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<212> DNA
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<223> Clone ID: uC-tsro9316073h01b1

<400> 5311

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ggagaatata aaggaagccg tcaagagttg tgtgaagatg gcagccagga aaacactgag 180

caccaacaac aatggccatc tccacaacgc acgcttctgc gagaaggacc tgctgctcac 240

gattgaccgc gaggcggtgt tcgcgtatgc agatgaccct tgcagcgcta actacccact 300

aatgcagaag atgcgtgcgg ttctcgtgga gcacgccttg gccaatggtg aggccgagcg 360

caacgtggag acatctgtat ttgccaagct tgccgcgttt gagcaggagc ttcgtgcagt 420

gctaccaaag gaggttgagg ctgcctcgac ctccgtggag aacgggaccc gcgcgcaaca 480

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<210> 5312
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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316073h11b1

<400> 5312

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gtcttcggct acttcttctg aggccatgtc cttgtgcgcg cagttatttg ggatttttct 180

ttggttcgtc tcgtgttcat acatgatatg agtacatatt gtaaattaca tgttcttttc 240

tatttaaata gaaaaattgt tgggtacaca catttgttta tttgataaag gatgcttttt 300

agt 303

<210> 5313
<211> 79
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316074a01b1

<400> 5313

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aaataaaaca aacaaaagc 79

<210> 5314
<211> 283
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316074a02b1

<400> 5314

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catacccggt cgagtagtcg gcacgattaa ccttatggtt gtttgtcata tatggctact 120

gttaggatgg gcactagtat aacttggtat aattgttaaa aatgactatc gcctatctag 180

tgttgattgc ctcgtggtat atttgaagta aactaacgac ttggagcgga catttctcaa 240

gtttggccca aaaaaaagaa acataggtgg ctgtgctaaa tac 283

<210> 5315
<211> 366
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316074a03b1

<400> 5315

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aatcttaggc tctaactttg gccatttggc atttgcgtgc taactagaga caaaggggat 180

taaggaggtg gtcgtgcata tatgtaggca ttctcggact tgggattcta cttgtgatta 240

catcacgccg gtccatggac acatcgctgg ctgtgctcat tccatacagc cgtcgtcaga 300

gcccacgggc tacgaacacc ataccgccgg ccacacagta aaaccgagcc agaggccttg 360

ctgcgc 366

<210> 5316
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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316074a04b1

<400> 5316

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<210> 5317
<211> 314
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316074a05b1

<400> 5317

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ctagatggac ctcatgccaa gctacgacga agatttagac cttccttcat aaagcagata 180

acaggcatca gttcttttaa aagtagaaca ctgaagtcat tcaccactca acatggcctt 240

ccactctaat aaatcatgct gcacgcccgc gtgcatgcga aaatctaaac attatattat 300

gcactcaact actt 314

<210> 5318
<211> 422
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316074a06b1

<400> 5318

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gaataacatc caccagcact ttgaaaataa caaggcggga tacgccgaga ataacaagaa 120

caatgctgca ctcatccaca ctgataccgc agagtatata gctataatca aagcaaagaa 180

atggcaagag ctcctcaaag gcgaggatat ttacaccaac tacccggcca cctgacacta 240

tgccaagaaa gacataggat gcttccgggc ctaaagtaaa aacctttcta attcacaaat 300

gcatcaagat tcaatgaagt gttcatccct ggctgcttgc ttagttactt cttactttca 360

tccctcccaa gtgagtagtg taccttttt gtaaaggcat ccaatctcta tatacacata 420

ca 422

<210> 5319
<211> 246
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316074a08b1

<400> 5319

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tcacgatttg ttgctagtta ctactataac tgcctagatt ggggaactgc accattgtat 180

atgcctattc gatggccagt gcatcagata tcacggagtg aacaccacac ttaaattcat 240

tcaccc 246

<210> 5320
<211> 501
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316074a09b1

<400> 5320

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gtactgcacc acggaggcct tccggatcct tgccaacaac taccattccg tcgactacca 180

tgccacctat ccagagatcg aggcgctgat ccaggaggtg acggtgacgc ctgcagaggt 240

cgccgaggtt ctgatgagga acgacgacac tgatgttgcc ctccatgatc ttgtcaagct 300

cctagagtta aagaagaaag aggccactga gatcaagact gaaagtaagc aggcggagga 360

gcagaaagac ggcactgaga agatcaatac tgaaagtaag caggcggaag agaagaaaga 420

tggcgatgag atcaagactg aaagtgtgca agtggaggag aaaaaagatg acaacgaggt 480

ggtgctgaag aatgagttga c 501

<210> 5321
<211> 480
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316074a10b1

<400> 5321

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ccaatctcta ctcccttgag tgatcccatc aacaacaagg tccatttgct caggacaatg 180

cttcaatggg aggagcaagt acgccgtcta gcatcggtag cggagagaag tctcggctcg 240

ctgaccgatc caattcttcg tgaggtggcc atcatctgct ggccgtatgg gaagataatg 300

aggatgagta ctggcagcac agctgctgac gccngtagaa gacatggtgt ngattggaag 360

ctgctttggg tgaatggcca acttgtgctg cctcaaaccg agctcaanga tggagatata 420

gtggaagtga ggacgtagta attctcaggg taattgatca gattggctca ttgatacata 480

<210> 5322
<211> 420
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316074a12b1

<400> 5322

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taataatgta ctcgtaccat acaaacattt cctgagtttt acaacttaca acaacaggcg 120

ggtggatcag cggcatatat ccctcttagg tgcagaaact tcaagccaga ccaaaattta 180

ggggcggctg tctgcaccga cagtccggcg ggctcattca acgtgatcgt ctactacggc 240

ttggttgttc gagaacaatg tctccctttt cttggggaaa ccaggggget ccatacctgg 300

gcctcggtac ttcagctctg gagtggctcc tctaagccca ggctcggccg aaacaggtcg 360

atacggaaat accgcttgcc cagcatacct agtaggggac acataccttc tcggagcact 420

<210> 5323
<211> 479
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316074b02b1

<400> 5323

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gcagatccct tcgccagcct ctttgttccc gggttaagca agcgaacagt agctgatgga 180

cttaggggag cttttgcaaa gtctggtgaa gtcgtgcatg gttctctttt gacaaacctt 240

ccagcatcat ctgtaaaaaa atcaaggtgg tatatgatca atgcaaaccg ttcaggtcct 300

ttgacagtgc gtaaagaata ccgcaaagta cttccttctt tcataaggcc atctgcatct 360

tactccacac aagcttcaga aaaaagacca aaacaggaga gaacagactt gacgactgtt 420

gaagatccct ttaatgcgcc tacctacaat atacctgaga agccagtgac atttgtcga 479

<210> 5324
<211> 413
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316074b03b1

<400> 5324

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ttgttagcaa ccgtcgcagt agtggatgat gatccttcat ctgttaaccg gaaaagggga 180

gtttgtatca acgaagatgt gaatcccgtt gaaagcgttg aggctagtga caggcgcacc 240

cgcaggaggg tttaggcgga ggctgtcaac taatgtagct atttgctgtc tcccatgaat 300

tttactatgg ctggagttat gtcaagtgct ctgtgacagg aactttgatt tgggtgagag 360

caacttgtga ataatctcca gcattgacgg ctttctgtgg cattagttgc aac 413

<210> 5325
<211> 225
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316074b04b1

<400> 5325

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gaatgagtga tatgtaacta caatgcatgt gttcctttgc aactgaattt ggaatcttcc 120

aaagataaaa ctgtcatgga gatttcgcca gtagtctgtt tagtgggtat ctaagaaata 180

tttgtaaatt cttggtcgtg aaaaaaaaaa aagggtgcgc gatct 225

<210> 5326
<211> 558
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316074b05b1

<400> 5326

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gtgcaacacc ggcagcctca tagacatcgc cacctccccc gtgttcccga acgcggaggt 180

ggagctgcgg tgcgcggggc aggtggtggc cggcgcgacg accaacacca acggctcctt 240

cacgatggag gcggacctga caagcgcgct ggcggcgttc atcggccggt gctcgctggt 300

ggtggacacg ccgctcatca agtgcgacgc gcagctgccg ccggcggaga agctggtctc 360

ctacctgcag ggcccgctca ccaggctgct cggcggcatc ttccacctct tacccgcggg 420

cttctccttc cacagccgat gagattagta gttcactgtg tcgtcggtcc aaccatctca 480

gcatactgag atctggctaa ttacctcttc tatctntagt ttggttngaa atgaaatgca 540

aggcangtta caggagct 558

<210> 5327
<211> 460
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316074b06b1

<400> 5327

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ccattgccgc ctacaacaag ggcgagagtg ctgctgctgc tgccccaaag aaggcggcgg 180

ccaaggaggt agaggaggac gatgaggagg aatccgacaa gtccaagtcg gagatcaatg 240

atgacgatga cgatgagggt agcgacgagg acgaggacga tgacgagtga agctgacaat 300

gcgggagctg ctgtgcgaga agcgacctga gctgtgtgcg gtggtgtcat aaggagccta 360

tccatctcca ctagaattat cccaagtttc acttcacatc gtgatgctgt tttaccttat 420

ttcttgtcat tgacctgcta taacggatag cgctccctgt 460

<210> 5328
<211> 538
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316074b08b1

<400> 5328

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tcccagtctc tttctccttt caagaagaat ttctttgggt tgagggagct gctgttcttg 180

gtaggacagg ctaggccaga tctgggggag agggtgggtc tgttgttccg cttgaaatct 240

ctgggttttg ttgcgctgga ggttcttgct ggccatggtt tgtccaggca tgctgaggcg 300

caatctctga gctttatgaa gatcgccact cacctgcgcc ggtgctgctt cctacagtcc 360

ttctccgacg tcttcctcta ctacttttat gtgatctcat aattgcccct ctacaatccg 420

ccgtcgctag cagtaaacta tattcctcct tttcttgttc ttcttgcttc ctttttctgc 480

gtcaacaagt gataaataag aaccgtagca gcagcatcat cagcagcagc agtagtag 538

<210> 5329
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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316074b11b1

<400> 5329

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actcgattcg attcaatgag aaaaatcaaa gtcaccgcac attctcagtt caaagctgaa 180

gagcgcggag caagtggtgg ccgacgcgac gaccaacacc 220

<210> 5330
<211> 489
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316074b12b1

<400> 5330

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ggcagaagcg cgcacggcgg cacgacctac aagggctaca ccatccccca caacaagcgc 120

tggcacacca tcgccggcaa gggcctctgc gccaccatgt ggttttggat tttctacagg 180

gctaagcagg atggcgctgt gctcttgggt atgcgtcatc cttgggatgg ccatgatgat 240

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attttttta gcacacaaac tggccttgtt gtgtattttg gtttggagct gtggcgtccc 480

gtggaatgc 489

<210> 5331
<211> 140
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316074c01b1

<400> 5331

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actttgtggg gcgtccttt 140

<210> 5332
<211> 485
<212> DNA
<213> Triticum aestivum

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<400> 5332

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cttggacagg tcattcaact ccagggtgat cagaggaaga acgtctcaaa cttccttgtc 180

caggccggca ttgtgaagaa ggaacacatc aagattcatg gtttctgagc aactgccagc 240

tccatatcag agtctacatg caaagcagct atatattggt ggtgcagtat atttagttgt 300

gtgctagcgc tagcaggcgt taccagcttg cgcgctctga gtatacagaa aatctagcat 360

agcccacctt tctgcgtgta tgcttggtac cgttgtgttg aaactttgta aggagcaccg 420

tctttagatg gcttgttacc ctcttccatc aaggttgaat aatatatgct tttgtaagcg 480

tgggt 485

<210> 5333
<211> 540
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316074c04b1

<400> 5333

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gctgggccgc gggaaaactc ccgaagcgcc acctgaagca ctggaatcac tggaggttgg 180

tcctcctgtg atcgagtgat ccatcagcct ctgtagataa cgctgctgcg gggaacgctg 240

cagcccctgg gagccccctc caataatcct cccggtgcga agaagaggaa accgggcctt 300

gtatcctggc aactttgtcg cgttgtacag taatttagct tcgagtcact cgttaggtcg 360

gtcatcggag ctgctaccca gtctgctcca gatgcagcaa tgaggtcggt cggtcggttt 420

atcccacact gatagttgtt taattcaaaa aggtcatgta ctcgtgtcgt attaggggca 480

caaaaattgc ttgctgtgct aattttcctg caatgtggca actgtggagg ttgttcatcc 540

<210> 5334
<211> 533
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316074c05b1

<400> 5334

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gctggtgtac ctcatcctcg cccagtcctc ctccgtcttc tccaccacca agaccctggg 180

gctcccgccg gcgcgctccc tcagcgcccg ccgcatggtc gcactgctct ccgacctgcc 240

gctcggcggc gaaccctcgc cccgcgccgt ctccgtggag ccgtcgtcgc ccgtgcccgt 300

gcacgcccac cagaagaagg attagttgac agagctggga ggtggctact gtctagcgag 360

cgagcgtatg cacgttgttg gttccgtgcc aatggttggt gcctgccgtg ggagtttgct 420

agctattcac gccattcttt ggtggttcat tgattggtcg gtttggtctt tgagattgca 480

tatatgtaaa ctgcacgccg ttttggattg acaaatgacc gtctaagatt ggg 533

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<211> 536
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
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<400> 5335

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gtaaccctgg tgagttcacc atgctggagc tggccaaggt tgtccaggac accatcgacc 180

cgaatgcacg gatcgagttc cgtgagaaca cccaggacga cccgcacaag cgcaagccag 240

acatcaccaa ggccaaggag cagctcgggt gggagccgaa gatcgccctc cgtgacggtc 300

ttcccctcat ggtcactgac ttccgcaagc ggatcttcgg cgaccaagat agcgccacca 360

ccgccaccga aggccagtaa agagtagacc ggagtactat actttgaaat tttggtggcc 420

tgcttctagc ttgcttcttg gttaatcccc ccactgacag agctatggcc acgtagtcgt 480

cgtcgagagt tttactgcta aataccttng ttgttgatgt aatgttattc attttt 536

<210> 5336
<211> 288
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316074c08b1

<400> 5336

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atctcgtaaa actctgaagt gtgtatgtat ggtgtgaggg ttgtcagaca ctcgtttgga 180

taagtgaact tctgattgtn aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 240

aaaaaaaaaa aaaaaaaaaa aaaaaaaata taaaaaataa accaaaaa 288

<210> 5337
<211> 465
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316074c09b1

<400> 5337

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agagcccgct cctcctcgcc tccaaccccg tgcacaagag ggtgccggtg ctcatccaca 180

acggcaagcc cgtccccgag tcgcagctca tcgtgcagta cgtcgaagag gctttcccgg 240

ccagctcccc gcgctttctc cctcccgacc cgcacgagcg cgccgtcgct cgcttctggg 300

cctcctacgt cgacggcgag ctgctcaacg cgtggctgcc cgtctacggc ggacgcaccg 360

gcgaggagag ggcacaagcg gcggngcggg tcggcgccgc cctggagaca ctggagcgag 420

cgttctggga gtgctccaag gggaagggct tcttcggcgg ggaca 465

<210> 5338
<211> 498
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316074c10b1

<400> 5338

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gcggctgctc cgtcggcgcc acgctcctcg ccctctccct cgccgtcctc ctcgccgcct 120

aggcggtccc cggggccgcc gggttccacc tcggcggcga cgagagcggc ctcgtgcggg 180

gcatgctcgc cgccgtccgc gagcgggccg aggccgagga cgctgcgcgc ttcgccgtcg 240

ccgagcacaa caggaagcag gggtctgcat tggagttaca cgggttgcga acgcgaaaag 300

gcaagcggtt gctgggacct tgcatgacct gatggtggag gtagcggatt ctggaaagaa 360

aagtatgtac aaggcaaagg tatggccgaa gccatggcaa aatttcaagg cagttgtcga 420

gattcgccat gctggggact tgcagaatga gtcttctggt ggctctgatg gtagcactgt 480

gcaagctatc ctcaagct 498

<210> 5339
<211> 495
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316074c11b1

<400> 5339

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aaccaagccg ccgacgccac catgggtatc tcgcgtgact ccatgcacaa gcgccgggcc 120

accggaggga agcagaaggc ttggaggaag aagcgaaagt atgagctcgg ccgtcagcca 180

gccaacacta agctttcaag caacaagaca gtgaggaggg ttcgtgttcg cggaggtaac 240

gtgaagtgga gggctctccg tcttgacact ggtaacttct catggggtag tgaggctgtg 300

acccgcaaga cccgtctcct ggatgtggtt tacaattcgt caaacaatga gcttgtgagg 360

actcagaccc ttgtcaagaa tgccattgtg caagctgatg ctgccccctt caagcagtgg 420

tacctgactc attatggagt cgaaatcggt aggaagaaga aagctgctgc agctgccaag 480

aaggaacctg ctgag 495

<210> 5340
<211> 573
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316074c12b1

<400> 5340

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tcggcacggc cgtccaagaa gccgcgcgtc ggcggccacg ccggaccagc tgccgggccc 180

gtgatcgtgt acgagcgcac gccgacggtc gtccacgccg acccacacga gttcatggcc 240

gtcgtgcaga ggctcacggg caattgcaag cagcggccgt cgacggcggc gatgacgttg 300

ccaccagagg cgacgtccgg atccggagct agggacggca gggcctcgac gtggacagca 360

gcggacgctt tggttctcag gcttggccag cagcagcgtg cgccgtgtgg tgctcatcat 420

ccggcacctt ctgcttcccc ggctgctgca tcatcaccgc tgctgtcctc gagcagcttc 480

tttttttcccc gaccaccatg caggcgatac gggagctcat cagctgagag tcagcttgtg 540

aaatttgaag atcgatccgg cctggtgtga tca 573

<210> 5341
<211> 557
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316074d01b1

<400> 5341

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agcgacaagt cctgtgtctg gcacgcggca gactctgctg acggagaact taaggatgag 180

atgtttgcca tccggtttgg caccgttgag aattgcaaga agtttaaaga cttagttgat 240

gagatcgctg agtcgcttgc aaagaatgaa ggcggtgaaa gcgaagaagg ttcttccgca 300

gctggactgc tggagaaact tagtgtaagc gaaagcaaac ctgaggaaag cgcatctaag 360

gaggaatcaa ctgatgctag caaggagaca gaaaccaaag ccgcgacagc cccctcagag 420

tagtgggcag agcaacgccc gtcacaatgg taccgctgag catagctcgg tggcaagagt 480

cagtttgtcg gtccttcctg ttgacggaag ttggtagtcg ttgaccatga aatatgctga 540

gaacttttg agacagt 557

<210> 5342
<211> 432
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316074d02b1

<400> 5342

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agttatggaa tgatggttct cgagatggtt ggtgcaaggg ataagaatat cagtccaaat 120

actgaatcta gcagccaata tttccctcaa tggatttatg aacatctaga tgaatattgt 180

gttagtgctt ctgagattaa tggagaaatc acggaggttg tgaggaagat gatagtggtt 240

gggctgtggt gcattcagtt acgttctaca gatcgtccaa caatgactag agtcgtcgag 300

atgcttgaag ggagcacaac tggccttgaa ttgccaccaa aagtgctctt gagttgatag 360

gtttatattg ttctcgccaa cttactccag tattgcctaa tctgtaaaca gactgaaaat 420

tttaaatttt ca 432

<210> 5343
<211> 180
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316074d03b1

<400> 5343

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gcccattgat gccgctgctg ctaagaataa ctagtagtac cgctggaggg atttctccag 120

ttcctgcctc tcattttatt cggatgaatt tgatcgattt tgaatgaaat tctcattttt 180

<210> 5344
<211> 423
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316074d04b1

<400> 5344

ccttagtcat tcacgaaact cagcgtactc nctaanggaa gattgtatgc ttatgcgggc 60

gcctatataa aggtttctct tgaagagctt gcacctaaaa agggccatga ttacgtctct 120

cagctaaccc caactgatat tgctgtcgag gccctgcaaa agattaagaa ttttgtcact 180

gagcattcca tggccagtgg cccattccac gacttataaa ttggtgccat gagacgaacg 240

atgcaatcct tgtaggattt ctgcccaatt ttgtttgcac cgtgtatctt cattttgta 300

tcgctcaaca ttattgattc attctttata ctgaaaaagg agctgtgctg aagcatgctc 360

tgaaacaata aaaaaatagc ggattgagct aatgttaaga gctccatggt tattagatca 420

ttg 423

<210> 5345
<211> 463
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsro9316074d05b1

<400> 5345

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cacctatgat gatgttcagt catcgggtgc tagttctttt atacctatgt ataatcgaac 180

tttttgtaga ttgaatcggg tgttctatac gaacaatcct ggagatgctt tggtctcacg 240

tgctcctgat attgcaaaat ttcaactgga aatagatagt tcatctggca actttggtgc 300

aacatcttct ctccatagat gtgcatctga tgacttccat ttctcgtttt ggttaggagt 360

tcccacgatg ggatggttac aaacttaaag tccaagtgac tataaaagaa acaacaaaga 420

catagtaaaa tgtataaaat tactcagctt tccccccacc act 463

<210> 5346
<211> 439
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316074d06b1

<400> 5346

cgcttcttga ccccgcacca accagcgccc agccgggggc ggttaaggag acggagcagc 60

ctcagccatg ggtcgcgtcc gcaccaagac cgtgaagaag acctcccgcc aggtcatcga 120

gaagtactac tctcggatga ccctcgactt ccacaccaac aagaaggtgc tcgaggaggt 180

ctccatcctc cagtcgaagc gcctccgcaa caaggtggcc ggcttcacca cccatctgat 240

gcgccgcatc cagcgcggcc ccgtgcgcgg catctccctc aagctgcagg aggaggagcg 300

tgagcgccgc atggacttcg tgccggagaa gtcggcgctc gaggtcgacg agatccgcgt 360

cgacaaggag accatggaca tgctggcgtt cctcggcatg gccgacctcc ccggcgttga 420

gcgcgccccc gaggccacc 439

<210> 5347
<211> 524
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316074d07b1

<400> 5347

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ttcaaaaatt gacattacaa cgcctgattg cgatggttga ggccgagaga acttatcatc 120

agaaagtcct ggagatcctt gaccatttgg aagaagaaat ggtgtctgag cgccaaaaaa 180

tcgaagcacc tccacccccc gcagcagaga gttttatgtc accgccacca ccatcatatg 240

acgaagttaa tggcatgttt gcctccactt ctgctgatca ggcagttaac tctgtcgact 300

tcttcctggg agaggcgctc gattccttcg aggctgagag tgagtttgag cttaacttat 360

cagttggcga catcgttatc gtccggaaga tatcaagcaa cggttgggcg gaaggtgaat 420

gcaagggaaa agcaggatgg ttcccacatg cttatgtcga aagacgcgag cgtgttctgg 480

cgagcaaggt ccctcatatt ttctaggggt tttgaggagg aaca 524

<210> 5348
<211> 488
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316074d08b1

<400> 5348

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ggagatccat ggcggagacg gagtaccgct gcttcgtggg cggcctcgcc tgggccaccg 180

acgacaacaa cctccagcag gccttcagcc agtacggcga gatcctcgac gccaagatca 240

tcaacgaccg cgagacgggg aggtcccgtg ggttcggctt cgtcacgttc ggcagcgagg 300

agtcgatgcg ccaggccatc gaggagatga acggcaagga gctcgacggg cgcaacatca 360

ccgtcaacga ggcccagtcc cgccgctccg gcggtggggg cggcggcggc ggctaccgcg 420

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gcggcggc 488

<210> 5349
<211> 370
<212> DNA

<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316074d10b1

<400> 5349

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acaagaggtg agattcttct tgggtacaat tcagggccac cttctactgt gtcgagactt 120

agtacttacg aggtacaaac atcataacaa ttgaaccatt atcttttcct gttcgcaaat 180

cagcctttct atttctgtaa cctaagtata ttccgatatt tctgtgatga ttcagaactg 240

gacctatgta tcttattgta ctgggggtgc cataatgcaa ctgtcatgcc caaacatcaa 300

ctgcttttga agtgttatct gcaggttact cacatttctc gttttggtta ggagttccca 360

caatgggatg 370

<210> 5350
<211> 335
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316074d11b1

<400> 5350

gttcttatct tctgcagaag aaacagtgga aggatgggct ccttaggtta aaggagaggt 60

agaagagagg caagtctgat atggatgctt atggctatgc tagtatcgca ggtgaaaatg 120

atcaggatcc tcctccagaa aatgtttcag ttcccttgcc tgacatggtg ctgcctcctt 180

catttgattg tgacaatccg acataccgtt accgatttct ggaaccaacc tctactgtcc 240

ttgcaaggcc tgttctagat gcgcatgggt gggatcatga ctgtggctat gatggtgtaa 300

gcgcataaga gtcgctcgct ctccttaaca aatac 335

<210> 5351
<211> 581
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316074d12b1

<400> 5351

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gggtttcctc ccgccgtccg ccacacccgc cgccatggct cgccgcagcg gaggaggaag 120

atcttcccgc cctgctccac gtgctgctcc agtgagaaac ccaccagcgc cagcccgtca 180

agctcctcca cctgctacta cccagagcag cggtggtggt atcatgagcg gaattgggtc 240

cactattgct cagggcatgg cttttggtac tggcagtgct atggcgcaca gggctgttga 300

tgctgtgatg ggtccccgta ccattcagca tgagactgtt gtcggtgagg ctgctgcatc 360

tatgactcca atggacaacg ctgctgatga caagtgtggc aacccttcca aggccttcca 420

agattgcatc aaccactacg gcagcgacat cagcaagtgc cagttctacc tcgacatgct 480

gaacgagtgc cgccgtggag gagcaggagc tggtgcaact ctttaagcta ctatctttgc 540

ttgatggngc ttaatggtcn gaacctgttt cagtcatgat g 581

<210> 5352
<211> 317
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316074e01b1

<400> 5352

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ggattgttct gccttgaatc actgctgagc ataggtgtca ctcagcaagt gtacatgtac 120

ttccgtggaa gtggaaaatc ccaggagttg aaacaacagg cagcacgtgg tgccctgagc 180

tctgcgttct gatgaagaaa atcagcagcc agagttgtat ccagggtagt gagtggacag 240

agacaggatg tgtgccgatt ggaaattgta ggactgcgca tagatgcacc atgcggattc 300

tgatcgatgc aatcata 317

<210> 5353
<211> 384
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316074e02b1

<400> 5353

ggatgctgcg tggccactcg gaagtgccat cgaggggga tcttcattat aggcaggagg 60

cggtgtagca tcagaaacat caacgtggga gcatgggcat gaccaccgta gaagaagttt 120

tggattcagg ggtctacatt tagccggttc tgagtgtgct tccccctgaa gtcactcatt 180

ttgtctgccg gacagctcga ccagcctccc ctcccataca gtatcggatg atacactagg 240

acatgaggat tacggcacca attgtactgc agccagacgc cattggaagg cgcattatta 300

tttttgtact gatgatgaga gtagacgaga gcattccatt ctttctgact tccacttgag 360

atgggcataa acacattgtt cact 384

<210> 5354
<211> 450
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316074e04b1

<400> 5354

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ggtttacagg agggcttaac tactacagat gcatggactt gaattgggag ctttctgcac 120

catggactgg agaaccaata aaagtagcaa caaaattcat cgatggggac cttgacgtta 180

catacaatgt accgggagtg aaagactaca ttcacaaggg tggcttgaaa gcgagcgtgc 240

cgaatctgga ggatgtggtt gtcatggagg gagtgagtca cttctgcaac caggagaagc 300

ctaatgaggt ttcagattac atctgcgagt tcttcagcaa gttctgatta tatcaagaga 360

gtcttggcga acctacttgt ttcggtgctg tttatgtact tataagttgg cgattacaca 420

tggcatgata ctgaattatc tctaaataaa 450

<210> 5355
<211> 67
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316074e06b1

<400> 5355

aaataataat ataaaaaaaa aaaaaaaaaa aaaaaaaaag aaggatttta aaaaaaaaag 60

ggggttt 67

<210> 5356
<211> 289
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316074e07b1

<400> 5356

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tattcgacct tgcagtaaat tacacaatgg tacaggtaca ctacatggga tacaccaaca 120

acgggtggta aataaaaact tctagcagaa acaccacaaa ccagatctaa cttattgctg 180

gcaacaaatc aaattgtcta ctgataagtc tgatctatat taagggtttg taatcacaga 240

tatgtagtca cacttgagca aaacctgcaa gactagttct agatcgcga 289

<210> 5357
<211> 142
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316074e10b1

<400> 5357

tttagcttca tctatctcca ctatggatgg agggatgaat atgtaagaat gaatgggtta 60

cctaattaaa aaaaaaaaaa aaaacaacaa aaaaaaaaaa acatagccct acagagccat 120

tgtttctcta tggaagaatc cg 142

<210> 5358
<211> 469
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316074e11b1

<400> 5358

tgatgaggac gacgacgaag tcgacgagga gggggagcct taggaggagc taggagactg 60

aatatctggt gcagccgctt ggccgtgctg aagacgaaga gcattccagt gactttgagc 120

cagaagaaaa tggtgatggt gctgaggacg aggagactga ggatgatgat gctgaggatg 180

gtgaggattc tgtcaaggcg caatcctctt cgaagaggaa gaggtctggc gcggaggatg 240

aagatgatga tgacggtgat gatgatggtg atgatgatga aaagcctcca tcaaagcgat 300

agtcactttg ttcttgctga tctggcatct tttctgcttg ggccaagaag gaaaataatc 360

ctcacggaga gggctgctgg taaatgctgt agctttagga catctgtggt aggtgtagca 420

actcgaactt gagtctacgc atgttagttg ttagtgcata ctgctgatg 469

<210> 5359
<211> 450
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316074e12b1

<400> 5359

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gtcgagaagg cggcggagaa gacccccgcg ggcaagaagc ccaaggccga gaagcggctg 180

ccggcgggca agacggcgtc caaggaggcc ggcggcgagg ggaagacccg gggcaggaag 240

aagggcagca aggccaagaa gggcgtggag acgtacaaga tctacatctt caaggtgctg 300

aagcaggtcc accccgacat cggcatctcc tccaaggcca tgtccatcat gaactccttc 360

atcaacgaca tcttcgagaa gctcgccggc gagtccgcca agctcgcgag gtacaacaag 420

aagcccacca tcacctcccg ggagatccag 450

<210> 5360
<211> 164
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316074f02b1

<400> 5360

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aaggggggtta acaaaccaca caaaacaaac aaacacacaa aaagaaaaaa aaacacccaa 120

acaaaaacaa ggcctcaacg aaaaccaatc cctaaataaa aacg 164

<210> 5361
<211> 245
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316074f03b1

<400> 5361

ggactccacc gcgtgccgta ctttttttatt ccccccacca ctggttgggg gttgnnnggg 60

ctgtccttaa angaaaagcg tgggttccac tactcgctan atacgttatg agacggacct 120

gtttaagggg ccgttccatt tctgaagcta acaaacttta agtcgttgat ttgcctgcga 180

tttgaagacg tcgtagctgc atctggtgtg ggtaatttca gggcatttgc ggctggtttt 240

attgc 245

<210> 5362
<211> 412
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316074f04b1

<400> 5362

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gatgatcaaa cctgatggcg tccagagggg cctcatcggt gaggtcatca tccgcttcga 120

gaagaagggc ttctacctca aaggtctgaa gctccataac gtggagaagt cgatcttcga 180

gcaggactac accgatctgt cctccaagcc cttcttcgct gggctcgtgg agtacatctt 240

ctccggccct gtcgtcgcta ttgtctggga gggcaagagc gtcgtctcca ctggacgcac 300

gataattggc gccaccaacc ccctggcctt tgagcccggc accatccagg gtgacttttc 360

cgtctacatc tgcaggaacg tcatccatgg aagcgactca gttgagagtg cg 412

<210> 5363
<211> 240
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316074f05b1

<400> 5363

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gagagataaa agagagagag aagctgtcat aatccaccta gtattatcat gttccgcaat 120

gactgattgt tgacctaagc ttgggtctga actctggtgt gctgctgtcc cagctgcttt 180

ggttgtgtgc ccatctacta tgtaatcgtc ctctatcagc ctgttgtgct acaatatctt 240

<210> 5364
<211> 514
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316074f06b1

<400> 5364

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gtgaagtact cgagggatcc gtccaacccg accaagtcgg ccaaggcctg tggcaaggat 120

ctcagggtcc acttcaagaa cacacgcgag acagcgtttg ctcttcgcag gatgcctttg 180

ggcaaggcta agaggtacct tgaggatgtt ctcgcccaca agcaagcgat tcccttccgg 240

agatactgca gaggtgtggg tcgtactgcg caagtaaaga accgccagcc aaatgggcag 300

ggtcgctggc ctgcaaagtc agcccagttc gtgttggatt tgctgaagaa tgctgagagt 360

aacgctgagg ttaaaggctt ggacgtcgac aacctctaca tttcacacat ncaggtgaac 420

caagcccaaa agcagaggcg ccgtacatac cgtgctcatg gacgcatcaa tccttacatg 480

tccaacccct gccacattga gctgatcttg tcag 514

<210> 5365
<211> 74
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316074f09b1

<400> 5365

acataattaa gaaacctgtt gtattcagag gaggtggggg tacataaatt ataactacct 60

tgtcgctttg caat 74

<210> 5366
<211> 469
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316074f10b1

<400> 5366

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atcctatctt ggattggtca tacagggatg tttggtcttt cctcttaacc tgtcaggtca 120

aatactgcag cctttatgat gaggggtata catccattgg gagcatatat gatactgttc 180

caaatgcact tcttagtgat tcatctactg ggaacagctt tagaccggca tacatgctat 240

cagatggaag acttgaaata gctgggagag cgaataacac tagcaacaaa acggaaacta 300

attctgttgc aagcaatggc atgaacaatg ctgagggaga gcaaatgatc tcacgttcgg 360

cttcagttat tgtagttggt gatgaaatat tgtttggcac agctgaggat aaatttggcg 420

cagccttgtg caagaagctt catgaaattg gcgtgcgagt ttctcatgt 469

<210> 5367
<211> 390
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316074g01b1

<400> 5367

gacacctgcg gggccggccg aattccggtc acccacctcc gggctcatag ggcccgacct 60

ccgagccggc gatcgggggg gcctggttta aaccctcggg agggttccac caccggctac 120

tcgatggcct cgtcgttgga gaacacggga agctcttcct cggaggagtt ccagatcgac 180

gacagcttct ggtcggagac actggcgatg tcggcggaca gctccggttc cgggatggaa 240

tccagcgaca ccttcggcgt agatagtgga gcaccgtctt cgagcaacga tgagatggac 300

ttctgggtca cactgttcat gcaagctagt gacatacaga gtttgtcaca gatttaactt 360

ttaatgagaa gattgggcta ttttcgtnct 390

<210> 5368
<211> 133
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316074g02b1

<400> 5368

cggttctctt gtgcggacgc atgggcagac tcatgggcgg gcgcgtttta aaaaaaaaaa 60

gggtttcaaa caacaaaaaa aaaaaaaaaa acccaaaact aacaaaacaa aacaacacca 120

cccccaaaaa cgg 133

<210> 5369
<211> 391
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316074g03b1

<400> 5369

cccatgctat cgaaaatgtg gaagcaaaca tcatccgagg ggatcctttt aggatgagat 60

gttggtgtac tacaaccgcg ccagatatag tacactctca tgacttatat taccagctgg 120

attaaataag tggcgtgttg tacccaccac catcaagtca ttccatgcta tataatgtca 180

agatcaatca agattagggt atgatgccca tgtaaatctt gtggttgtcc tgacttactt 240

ttctagcttc tatggaggat aagtatgtgt gtgctggttg tactatgatt gtgtaatgat 300

atatattaaa atttctactt tgtacctttc aaaaataaat attgaccgac aaagattttt 360

cgggtttgcc ccgccgtaaa aaaatatgtt g 391

<210> 5370
<211> 410
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316074g04b1

<400> 5370

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agggctcaag cggtgcctag acgggaagaa atgatgacga acaagagaag tctgttccca 120

gtcctgccct tcgaggatct ggcgaacttt tatcttttta acgttggaag gcaataattt 180

ctgtagaggg tggattttcc caacattcgt tcttggtgga ggcatcgaac tccagaggtt 240

gtcgtaggtt ggcggcagcg ttctcaaaac atttactatc ataggggttg agtttgagtc 300

cgagtatgtg ccctgaatcg ttactgggca attttccttа aatacattgt cctcgaatcc 360

gactgagatt attatggtcc aagtttnaaa aanaaaaaaa aaatagaaaa 410

<210> 5371
<211> 489
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316074g05b1

<400> 5371

gtgactacag gggtgagaag gcgatgcanc tgctggagag ttttctgaag gtgaaggagt 60

acgagctgct caggaggaac ttcagcgaca ccggatgctt tggcttcggt atccaggagc 120

acatcgatct cggcatgaag tacgatccat ctaccggcat ctacggtatg gacttctttg 180

tggtgctcga gcgtgctggg taccgcgtct cccgccgccg caggtgcaag gcccgcgtcg 240

gtatccacca gagggtcacc aaggaggacg ccatgaagtg gttccaggtc aagtacgagg 300

gtgtcatcct caacaagtcc catgcgagct aagaaggacg tagctctctt tagaccttga 360

gttaatgaag ttcacctggt tgctggatat gtatgttacc tagaaaccga aatgctttgt 420

cagttttgcc tgtactcaag ctggatgatt tctgtttgat ctgcactttc gtctaagagg 480

ctcactact 489

<210> 5372
<211> 166
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316074g06b1

<400> 5372

ccctgcgctg aatgactttg ctttgttgct gtgcgctcat gaactttgtt tcagtagacc 60

ctgcttgagt agttgggaac atgaatgtaa aacttttgta ttcaccttct agacagtgct 120

ttgtgacggt tgactgtaca attgtatata gacctgtctt cgtatc 166

<210> 5373
<211> 400
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316074g07b1

<400> 5373

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cggataaccc aaaggttgat gagctgggcg aaatggaaac aaccaagggg tccccactct 120

cgcctgtgcg ggcggacgac aagcggcgcg cgccggcggc gtcagtggtg ctcaaggtgc 180

aggacagctc cncggccgag gcgtacgagc agtacctgcg gctgccggag ctgtccangc 240

tgtggaaggc cgcgtgctgc ccgggctggc ccgacgaggg cctggtcaag cccgcgctgc 300

aggcgctgga gatcaccttc cgattcgtct ccgtcgcgct ctccgaccca cggggctacg 360

ccagccaacc cgagctcgcg cggcggctcg agtcgctcgc 400

<210> 5374
<211> 581
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316074g09b1

<400> 5374

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gttaggtgca gctagctagg agcaagcaag cagatccagg aggagcggag atggcggact 120

gggggccggt ggtggtcgcg acggtgctgt tcgtgctgct gacgccgggg ctgctgttcc 180

agctgccggc gcagggccgg atcgtggcct tcggcagcat gcacaccggc ggcctcgcca 240

tcctcgtcca cgccgtcatc tacttcgccc tcatcaccat cttcctcatc gccatcgggg 300

tccacatcta cgccggctag acccccccca ctcttcttcg ccgcacatcg cttctcggct 360

ctgccgcgcg ttattaagct ttgttgcctg ccgagcttgt ctgtctctta ctactattat 420

tngtgatgta ctgtgtgtgt agtagcttct gttgtcttct ttggttgatc ggagaaacaa 480

tcggaagcta gtagtatatg gtttggtggt cggctggggt ttcgtttgag atggctcttg 540

tctctgggat gaaattttat ccagaatggg ccggtgtgtg c 581

<210> 5375
<211> 343
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316074g10b1

<400> 5375

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actctaaata aggggagtgc tgacattggc gcttccacat gggatttatg acagtgcggt 120

gagctgtgta actgtgatta ttacaattta cccttctttt gatgattatt gactattgct 180

ggatggtcag cggttggcat cttatgtaca atttatacag cggttatgtg tcctttcccc 240

ttgtttcaaa agggacacca aagaggacgc catgaagtgg atccaggtca agtacgaggg 300

tgtcatcctc aacaagtacc atgcgagcta agaaggacgt agc 343

<210> 5376
<211> 393
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316074g11b1

<400> 5376

tcttctcgtc cgcccacgcg tccgatcgtc ggtgaggggt ggttaaacag gcataataga 60

aggatttcct cccaaggaga gagatgatga tgttgtatca tgcttccaac tttttgattc 120

cgatttgccg tttctcggtc ttggcgccac ctgagccgag acattagtta attagcagac 180

gctaatgtct tccccttttgt tttgacagtg acaccaatgt attccctaat tatgctggtg 240

ggcaccatgt tttagcctga catatgtgtg tacatgatat acgtagcaac aaagtggcaa 300

aagctcagtc tgtttaagaa caatgcaagc taaaaaagaa cgtaactata tttaaacctt 360

gagttaatga agatcacctg gttgctggat atg 393

<210> 5377
<211> 108
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316074g12b1

<400> 5377

atcgcacact ccctatactt tcgggattag tgggggacct aaaataaatg tcattgagtg 60

ttaacaaacc aaaaaaaaaa aaaaaaaaca caaaaaaaaa aaaacaac 108

<210> 5378
<211> 98
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316074h03b1

<400> 5378

cggacgcttg ggcggacgcc cggggattga cacgcgggtg gcttccaaaa aaaaaagggg 60

gggttaaaaa ccacaaaaac aaccaaaaaa caaaccaa 98

<210> 5379
<211> 544
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316074h04b1

<400> 5379

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gggatcttgc cagccagcca gcggccatgt cgtcctcgtc ggacaacccc aacacggtca 120

ccgaccgcgg cctcttcagc aagagcagca aggacgacgg cgccgacaag aagaagaagc 180

aggaggagaa gaaagaggat ggggaggagg gcggcagcgg cttcatcgac aaggtcaagg 240

acttcatcca cgacatcggg gagaagatcg aggaggcggt ggggttcggc aagcccagcg 300

ccgacgtggc ccggatccac gtgccccaca ttggcctcca ccgcgccgac ctcgtcgtcg 360

acgtgctcat caagaacccc aacccggtgc ccatcccgct cgacgacatc gactacctca 420

tcgacagcga ccgccggaag ctcgtcgcgg ngctcatccc ggacgcccgc accatccgcg 480

cgcacggnga ggagacggtc aaggtgccca tcacgctcga cttcgacgac atccggagca 540

ccta 544

<210> 5380
<211> 523
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316074h05b1

<400> 5380

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gcacaaagaa cacaagtgcg gtttccatta tactcagagg agcaaatgac ttcatgctag 120

acgagattga acggtctttg cacgatgcac tctgcattgt gaagagaact ttggaatcca 180

atacggtagt tgctggtggt ggtgctgtag aaactgcatt atctgtgtac ctggagaatc 240

ttgctacaac tcttggatcc agggaacaac tggcaattgc tgaatttgca gaatctttgt 300

tgatcatacc aaaggtcctt gctgttaatg ccgcanaaga tgcaactgac cttgttgcaa 360

agcttaagtc atgtcatcat aaagctcaaa caaatgctga taagcagcac ttatcaagca 420

tgggtcttga tctgacaaaa ggtgtaatcc gcaacaacct gaaacatgcg tcatcgagcc 480

agcaatgagc aaagtgaaga tcattcagtt tgccacagaa gca 523

<210> 5381
<211> 369
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316074h06b1

<400> 5381

gccgtctctg aacccatccc cttccccccc tctctgggtg tccatcatat ccccgacgga 60

gccaaccaac caacaatgga agttgctgcg cccaagcaac tcctccccat ggcgccgcgg 120

gaccccaact ccccgtgctc ctgcacctac tactcctcgc cgtcttgcgc cgcgtggccc 180

tccagccacc ggcccagccc gctgccgccg tccccgaggc ccgtgccccg caccatcgac 240

accacccccc tccccaccac cttcgtgcag gccgacaccg cctccttcaa gcaggtcgtc 300

cagatgctca ccggcgccga catgcctccg ccgtcctcgc agccgcaggc ccagagccag 360

aggcccccc 369

<210> 5382
<211> 412
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316074h07b1

<400> 5382

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aataaaaatg gagcaccctg ctgctacctg gtcacgctct cagcagtgtg aattcccaga 120

agcatgcttg ccgtgccttc tatccggtgc accggaggct ggcatgtgag cagggatgct 180

tcaatgatgc agaagaaaaa aggcaagtct tatcggcaag ggaagggtac gcctttcttc 240

caggtctccc tctctccatc taaatctgtg tttggaggag ggggctacng ttagtttacc 300

caccggttta ctgcgtcctt gtgagttgtg atcattatca tgcactcntc agttgcttgt 360

catgtatggt gttcttgaat tttcagctac antaatgtcc ggtgtgtgag tg 412

<210> 5383
<211> 329
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316074h08b1

<400> 5383

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ctaatggcag gaaagacatc catcgcgctg tttctcgccg tgaacctggt cgtgttctcc 120

gtggccagcg cgtgcggngg aaactgcccg accccgtcca cgcccacccc atcgacgccc 180

accccgaccc cagcctcgct ccgcaggtgc ccacgcgacg cgctgaaggt gggcgcatgt 240

gtcaacgcgc tgaacctggt caaggcgcag gtgggcaggc cgaccgcgtt gccgtgctgc 300

ccgctgctgg atgggctcgt cgacctgga 329

<210> 5384
<211> 358
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316074h10b1

<400> 5384

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tgccgtcagc gacgtggcca ccttcccgat gaagatctac aacgacgaga ggcgagtgga 120

gcacgtcgac cattccagga agtccgcgga gcaggctgtg aaggcaatca aggggaaaga 180

ggcggggtct gccgtggagg agtacgacta cctggcctac ttctactcgc ggtcgatcga 240

cctgtcgtgg caggtctaca gggacaacgt cggcgacgcc atcctgttcg gcgacaccga 300

ccccagctcg gacaagccca agttctggtc gtactgggtc aaggactgca agttgcgt 358

<210> 5385
<211> 482
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316074h11b1

<400> 5385

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caactcccag ctctcctggg acccccagat cagccaggcc gccggccgcc gcgaccccta 180

cgacgacctc ctcgcccgcc acgccggccc cgccccgccc tcctcctcct gagaaccgaa 240

tccggcatca accgcgagga agtgtggttg ccccggatct acgcgggcag caataaggaa 300

ctcatttccc tcaaaatgac tgtgattgca ttcccttctg gttcattttt atccttgaac 360

tgccccagtt ggttcatctg ctgagtggtt actttgacaa acttcctgtt cggcaagata 420

cctgaaatgc tttgtatctg ttgattttca gtctttgtac catgaaagct atcaataatc 480

tc 482

<210> 5386
<211> 550
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316074h12b1

<400> 5386

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ttcaacatat acaataagaa ggtgctgaat gcgttcccgt acccgtggct cacgtcgacc 120

ttgtccctgg cagccggctc cgccatcatg ctcgtgtcct gggccaccag gatcgccgag 180

gcgccccaga cggacctcga tttctggaag gctctctctc cggtggcgat tgcgcacacg 240

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atcaagagcg cggagccggc gttcagcgtt ttcgtctcaa ggttcttcct cggcgagcac 360

ttcccgttgc cggtctactt ctccctcctc ccgatcatag gtggatgcgc tctcgcggcc 420

gtcaccgagc tcaatttcaa catgattgga ttcatggggg cgatgatctc caacctggcg 480

ttcgtgttcc ggaacatatt ctccaagagg ggatgaaggg caagtcgtga gcgggatgac 540

tactatgcct 550

<210> 5387
<211> 383
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316075a02b1

<400> 5387

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gttcacaaga gggctacccc ttcgtatcgt catgattggt actcttaccg gtgctcagtg 120

gggaatctat gacgcgttca aggtcatggt tggactcccg accaccggcg gtgctccacc 180

agttgctccg gtggaggaag cagcgaaagc cagcgcttga ttgatttttc ctactacgac 240

gatgacgatg tattccggga tgatgtggta ttggtggatg gggactgtat caattacttg 300

agtttagcaa ccgaaatcat ttgttattgt agcagatggt tattgtgtca tcattttgat 360

gagaggaact cattaagcag gcg 383

<210> 5388
<211> 352
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316075a03b1

<400> 5388

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catggggttc cccctggtgt gctactgcgt tgccatcccc aagccggtca tcgacttctg 120

caagctcgtc gccgccgtca gggacgcctt cctcctgctg ctctccctcg tcggcctctg 180

ccgctccccg cgccgctccg tggacgacgc cccgctgccc gaggaggtca aggagcgcct 240

cccggccgtc gagttctcct tgctggcgcg tacggcaaag catgggtgcc acgactggga 300

ctacgacgtc gccgccgcgg cggtcacgtg catcgtgtgc ctggagaggc tg 352

<210> 5389
<211> 504
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316075a04b1

<400> 5389

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gattatcaag cctgatggcg tccagagggg cctgatcggt gaggtcatca tccgcttcga 120

gaagaagggc ttctacctca aaggtgcgaa gctccagaac gtggagacgt agttcgccga 180

gcagcactac gccgatctgt cctccaagcc cttcttagct gggctcgtgg agtacatcgt 240

ctccggccct gtcgtcgcta tggtctggga gggcaagagc gtcgtctcca ctggacgcaa 300

gataattggc gccaccaacc ccctggcctc tgagcccggc accatccgtg gtgactttgc 360

cgcctacatc ggcaggaacg tcatccatgg aagcgactta nttgagagtg cgaggaagga 420

gatcgccctg tggttccctg agggcattgc agagtggagg agcagccagc acacttgatc 480

tatgaggcct aagatgtgtc atga 504

<210> 5390
<211> 280
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316075a06b1

<400> 5390

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catctgaccc tgcataaatt gttaggcaca cacaggcaat accactgcac atggatcacc 180

ttgccaatat ttcctacaga atcgaagctg agtgtctcga acattccttc ttacgttagc 240

atgtatagca acttatcccc tagcaactat tttgcaaaac 280

<210> 5391
<211> 225

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316075a09b1

<400> 5391

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gcttgctaat cggcgccgat actggtcatg ggcgccgtga gggtcatcaa ggcgcccggc 180

ggacagaatc ccaggctggc aatccacgct ccggggaggg gggcc 225

<210> 5392
<211> 261
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316075a10b1

<400> 5392

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gagatcaccc tccactcggt gctcaggctc cgtgggggca tgcaaatatc tgtgaagacc 180

ctcaccgaga atagcattac actctaggtg gaggcatctc acaccatcca caacgctaat 240

gcgaagatcc aatacaagga g 261

<210> 5393
<211> 508
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316075b05b1

<400> 5393

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ttctaagcaa atgctagcaa aagatgggca acctcagact agcctgaagc gcaagtgcgt 120

cacttcctcc ttaccaaatt ataatgagca gaatgcaaat gatgaggaaa agagtaatca 180

agttctagag cctctcaaca agaagagggt accagagaaa ggggaagtgg agcaagatga 240

cagtaaggtc aaactcgcca acggtgaaag caatcggtaa atactcgttt ttcttgtgat 300

tctcggtttt atactagtct tgtattctga tggtgttcta tttggttcac cttgccttga 360

aggcctgccc agcagtcgat gaacgacatg ctcctcaaga tccgtgccgt gaaggatagt 420

ttgagggaca aacctggcaa gtttgaggag tcgatgataa acgccgcgat cctctacgtn 480

catgccgtga aggatagctt cagggaca 508

<210> 5394
<211> 451
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316075b07b1

<400> 5394

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tctccccaat ttccacctat ggtggcacac actatgacat cgatatttta gtttggaagg 120

accgagcggg gggcaattgg tggctgcaag tgggaggtga ttatgtgggg tattggccat 180

catccatctt atcctacttg gaagatagtg cttctaccat catgtggggc ggtgaggtat 240

tttcacccga tgccggacaa acttccacac atatgggtag tggacacttc cccaatgaag 300

ggttcggcaa ggcgagtcac atcaagaaca ttcaagtggt agattcgacc aactgtctca 360

atcccccaag taatgcgggc ttgataaccg agcagaacaa ctattataat gtgcaaagtg 420

acacctatgg cgactggagc acttacatct a 451

<210> 5395
<211> 247
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316075b08b1

<400> 5395

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aaggaaagac caggagagat ggcaatgagg ccgcttgtcg tcctggccct ggccgtggcg 120

ctcgccggcg tggcactggg agggggcgcg actgaagggg ccggctagtg cggtaggtcc 180

tccaccgacc ggatggccct gcgcatggcc ccgtgcatat cggctgcgga cgagccggac 240

tcggctc 247

<210> 5396
<211> 247
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316075b09b1

<400> 5396

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gcatttctac tcggcctgat caatgaggac agcctcacgg aggtaaccga atggatgggc 180

cgatgcacat cacaccgggg atgaaacccc agcccgcgcg gcctcagaac tggcacctgg 240

gtggcgt 247

<210> 5397
<211> 302
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316075b10b1

<400> 5397

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agatttggag gatgtcttgc aactgtggat ccggttgcag ctgcggctca gactgcaagt 120

gcgggaagat gtaccctgat ctgacagagc agggcagcgc cgccgcccag gtcgccgccg 180

tggtcgtgct cggcgtggct cctgagaaca aggcggggca gttcgaggtg gccgacgggc 240

agtccggcga gggctgcagc tgcagcgaca actgcaagtg caacccctgc aactgttaag 300

ct 302

<210> 5398
<211> 70
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316075b11b1

<400> 5398

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acctacacgt 70

<210> 5399
<211> 340
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316075b12b1

<400> 5399

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accccagtag atcgttcgaa ttagcccact gttctcgttg caggattgat tggcttcaga 120

gagatggaat tcttatgctt gaactggaca gattactcag gcctggaggt tattttgctt 180

attcatctcc tgaggcatac gcacaggatg aggaggaccg tagaatctgg aaagaaatga 240

gttcccttgc agaaaggatg tgctggaaaa ttgcagagaa aaaaaaccag acagttattt 300

tgggtcaagc ctctgaacaa tgattgctac aggagccggc 340

<210> 5400
<211> 424
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316075c01b1

<400> 5400

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gttccggggt ctctggtgtg ggagctcgtg aagaaaaaca actgcttctt gatcaagcag 120

ttcggcaaca gcaacgccaa ggtgcagttc agcaaggagc caaacaacct ctacaatgtc 180

cactcctaca agttctctgg cttggcgaac agcaagaccg tggcggtcca gccatcagcg 240

ggagaggaca aggctgtcgt cctgtccacg accaagacca agaagcagaa caccctgcc 300

aagctccagc acaagactct gatgcgcaag gagttccgca agatggccaa gtccgtcaag 360

aaccaggtct gcgacaacta ctacaggcct gatctgacca agccggccct tgcaaggctg 420

agtg 424

<210> 5401

<211> 557
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316075c02b1

<400> 5401

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ctacagctgc tgccctcata actatcccat ctgcaacacc cagcagggaa cctgccttgc 180

ggccaaggac agtccactgt cagtgaaggc tcagaggcgt accctggcca agcctatcgg 240

tgctttctct gtcattgcaa ctgacggcaa gaaaagtagc gcgtaaacat ttgcatcacc 300

acaatcctac agccaacggc catggtggtt aacttctgca aatgatcacc tggtgaccca 360

cgatagaagg cgcagcatgg caatagctgt gctctcaagt atcttcttta tagtagatgc 420

tnctgtacat aatccctaaa tcgggttcgg gtggtcacag accgncacan ttgcttttgc 480

atatgtatat gtaaattcag cacattccaa gcagtttggg gctgctattt gtatatggaa 540

ttcatcaaga acaagat 557

<210> 5402
<211> 471
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316075c03b1

<400> 5402

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aaggcatcga tcgcgctgtt cctcgccgtg aacctggtcg tcttctccgt ggccagcgcg 120

tgcgggggaa actgcccgac cccgtcgacg cccaccccat cgacgcccac cccgaccccg 180

ggctcgctcg gcaggtgccc acgcgacgcg ctgaaggtgg gcgcgtgcgt caacgcgctg 240

aacctggtca aggtccaggt gggcaggccg accgcgttgc cgtgctgccc gctggtggat 300

gggctcgtcg acgtcgaggc ggccctgtgc ctctgcacgg tgatcaatgc cagcgtcctc 360

agcatcgtca agctcaacct ccccatcaac ctcagcctca tcctcaacca ctgcggcaag 420

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<210> 5403
<211> 507
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316075c05b1

<400> 5403

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ccggatccga agctcagtcc cgtggccacg cagattatct ccggaaaatc atagtgcagg 120

gtcgatcctc caagtcaacc aaagttgtag atatcatgac cgaagagaac aagctgatca 180

cggtgaaacc tgaaaccaga gtcctgaaag caatgcagct gatgacagac aagcgtatca 240

ggcacatccc ggagatcagc ggcaccgaga tgatggggat ggtctccatc ggcgacgtgg 300

tgcgcgcggt ggtcagcgag cacaaggagg agctgaaccg gctcaacgcc tacatccagg 360

gtgggtacta ggaccccgcc gttttgcagg gcgtcccttt gagtgaactc tacaataacg 420

accagngtga tgatgacgaa ataggccgtg tttcttcgcg gacaatggcc gttgaactng 480

aatntgcgtg tgtgatgttt tcctgct 507

<210> 5404
<211> 186
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316075c06b1

<400> 5404

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gtggatttct caacttacag catggttact ctatccaaaa aacacacaaa atctaaaaag 120

cataaaagaa aaaaaaaaaa aaaaaaaaaa acaaaaaaac aaaaaaaaaa aaaaaaaaac 180

aaaagc 186

<210> 5405
<211> 389
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316075c07b1

<400> 5405

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aggcccaggt gcgccgagtt cagaatcttg ttgagacctt tgacaagctg aaggcaagga 120

atgccaaccc ttctcagtga tagcgccaaa tctgtttcgg tgtctaccga gtgggagacg 180

tttgaaaact gtgtgggcag cttgaatgct ccaccgggcc gattttcttc tgacgcaaaa 240

tgacactgac tgggagcagt tcgactagca tgagaatgag cattctcgat gtattattat 300

gtaactcgcg accaatgcta ctgagtacat gtatgaagaa tggtgcctct tgccactaca 360

ctgcctgtga gattgtcgcc agatgatgc 389

<210> 5406
<211> 424
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316075c08b1

<400> 5406

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gcggtgcata tctgagtatc tgacgaccgc ccgccgccgg cgatgggctg ctggtgggag 120

cgcctcgtgc tgccggtgcg aagggcgtgg ctcggcgtcg cctcccgctt cggtgtgcgc 180

cagtccggta aggccgcccg ccgctagctc accgttcagc cacatgctgc agaggcttcc 240

ctcgtcggtc cacctagtcc tgggctgact ccggcgtcgc tggttgcttt tttggttgca 300

gggctgtgga ggctccggca ggaggtgagc acgtgcgagt acgaggacgt gcgcgtgatg 360

tgggagatgc tgagccgacc gcgtcggcgc cgccggcgcc ggcgaccagg cgccacagca 420

ggtt 424

<210> 5407
<211> 268
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316075c10b1

<400> 5407

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caaaacacaa accaaaaaac acacaaacaa caggcggcag cccagcccgc cgggcccatc 120

ctcccaggca gcccgagctg cagaccccag gcccccagac cgccccccga ccaccgcggg 180

gcccgcaacc agacccctaa atgcaatgca cccgcccaca gacaacccca tcacgcacgt 240

cccagccctc cccggcccca ccttgatg 268

<210> 5408
<211> 298
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316075d01b1

<400> 5408

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ggcgggtgac cgtgtcattc gagtatagct atagcacacg aacttggtgc gatgactgat 120

gaggtgtaca tatgattcct gtaatttgtt tttttttcg gtggcgagtt ttctttcctc 180

tgcccctgct cgcgtatttt aagagcaggg atgggcatga cataatgcaa aattgtacat 240

aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaat aaataaaa 298

<210> 5409
<211> 241
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316075d03b1

<400> 5409

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tgtgcttgcc taagcgaata tcaacaagta ttttatcttt ctagtcttgt cttgaacaga 120

aatcatggga gcaatggaac tgcattttct gtttaaaaaa aaaaaaacag aataaaaaag 180

ggaaggatga aaaaaaacaa aaacagaagg ataagagcgc tgaacaacaa caatataaaa 240

a 241

<210> 5410
<211> 462

<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316075d05b1

<400> 5410

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ggcggggcga acgatcaacc cggtgagcgg cgcggtgggg ctgctctggg cgggaagctg 120

gcacctgtgc gaggcggcgg tccagaccgt gctccggggc ggcgccatcc gcccgctgcc 180

ggagctcgcg ggcggcgtcc cggaaggcgg agtcggtgga agcgatctgt tcgcctcctc 240

ttccaggcgg gccgtggtgg ggtgctccac gtattcggcg gcgaagcggg tgacgccgag 300

gaagacatgg gcgccggagg cagcgtccca ccaccaggag ccctcgtgcg acctgnggct 360

tttcctcacc cccggatcgg ccgcggcggc agaggggggag cgactggcga ggcgggcccg 420

cacgccgtcg atgagctccg acggctccgt gaccactagc gc 462

<210> 5411
<211> 421
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316075d06b1

<400> 5411

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agcaggagat gcattccatc agatactgaa cgggctcgct cgcaagcttc cgcatggcga 120

agatgtcttc ttgaagcccg gccaggtccg tctgaactgg accgctggcc cggtgggtga 180

cctgaagccg tggtagcatc tctcgcatcg cggtttggag atgtataaaa acctttttga 240

aaataaacat tttcagacct gatatacttt gcgcctttat accaccatgg ttgcacagtg 300

ctgaccataa gtcaaatgta catcttttc atcttctttg ctgatagctt gtncaaaaaa 360

aacaaaaaag acaattacca caaattaaaa aaaaaaaaaa aaagacaaac caaaataaat 420

a 421

<210> 5412
<211> 201

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316075d07b1

<400> 5412

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aaatttcgag ggtatgtgca tgtgtcgtac ggatgtgatt atttggaata atacgatttt 120

aatgaaaaaa aaagaaaaaa aaaaaaaaaa aaaaaaataa aaaaaaaaaa aaaaaaaaaa 180

aaaaaaaaat aaaaaataaa a 201

<210> 5413
<211> 484
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316075d08b1

<400> 5413

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tctccggttc agaggccggc gaggtgggcg tgtgctacgg gatgatgggc gacaacctgc 120

cgcagccgcc ggcggtggtg cagctgctga agcagcacgg catcacgatg gtgaggctgt 180

acgacgccga cgccggaggg ctgcgcgcgc tggccaacac cggcatcaag gtggagggtg 240

tccctgccca acgacaacat accggacgcg gcgagcagca tgtcgtacgc ggtgcggtgg 300

gtgcagagca acgtgcaggc gtacccgggc acgtggatcg acagcgtggc cgtcgggaac 360

gaggtgttcc accaggcgcc atggctgacc caccagctcc tcccggccat gaagaacatc 420

caggcggcgc tggccggggc ccgcctgggc gacgcggtga aggtggtgac gccgatcgcg 480

ctgg 484

<210> 5414
<211> 455
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316075d09b1

<400> 5414

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gtggcgggcg agcctatccc ggaacgtgaa ggagatccgc ttcctcttgt gccagtcttc 120

ccctgccagc ggccccgccc gggagttcgt gaagaagaac tacagtgaca tcaagacccg 180

cataccccac cctccccgtc ctcatccgcg agtgctcccg cgtccagcct cagctctggg 240

cgcgctgcca tatgtgcgtg gagaggcacg tgcgcttgga cgggttgaca gaagcccaga 300

tcgacaagaa gctggaggag ctagccaagg caggagctgc gaaaagctaa aaactgtcag 360

gctagccaag ttatctcgcg ttaaagcttc acaaataaca gaacagttct catgaggtga 420

tacgttatct tgatttcagt accatgactg cactc 455

<210> 5415
<211> 392
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316075d10b1

<400> 5415

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acctccgcca tcttcttcct cgccggcttc atcgcatgcc tcttctcgct cctctgctgc 120

aaccgcggcg cctccaccaa catattccat ttgaccctgg tcattaccgc tacagtttgt 180

tgttggatga tgtgggcaat cgtgtacctc gcccagatga agcctttgat caaccccatc 240

ctgagcggcg agtgagcccc gatctgcccc gaagacaact taagatccac tgttgatgta 300

tcattattcg gttgagaacc tctattcatt ttgttgccat aactgaaata aacnagaaaa 360

aatcccccct tcatagccgg caaaaaacaa tg 392

<210> 5416
<211> 458
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316075d11b1

<400> 5416

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ggtcggcggc gaacctgatc gtgtgcgagc aggcgcgccg ggcgccgcgc aacgcctacg 120

agctcacctt ctggaaccac ctcatcttcg gcgtgccctc caccctcatc gtcaccggcg 180

tcggcatccc cctcatcgga aagatgtagc caccctatcc atctaccaac atcgccctcg 240

ccaccgtcga ccgacgatcc aactatatgc aatatacact ttccttatat ataccagcag 300

cctgtacata tgtacgtgca tacacaagcg catatacggg cactntgtac gtacgtacgt 360

ataggtcata gcctccgttt tcgtatgtgt gttaattgct gtgtgcgttg ctgattaatt 420

agtatatgta tgtatgtaat ggtgagacga gacggaga 458

<210> 5417
<211> 70
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316075e01b1

<400> 5417

agcgcccgcc ggagaacacg gaagaccaat acaccgagcg gagacacaca acgcaggccc 60

agaaaaaccc 70

<210> 5418
<211> 459
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316075e02b1

<400> 5418

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gataacaaga ctgctgccag caacaaagag aactcctgca aaggggagag gcaagcacag 120

tgggctaccg tacagataac actgcatgag cttcaagccc cagagccagt ctcccacaca 180

ctggagaacg acaagagcag ctaccgagag ctctctgaga tcgatgagca ggcacagaga 240

cctagctgtg atggccaggc tgctggaggt aaacacactc aatggccacg tttaatccga 300

ggtggagctc aaggggcccg acatcaacac catgaaacca gagctacacc cagtgaggaa 360

atgggacatt gaaccaacaa acatgacata cgtgtcggag ctagaccgga atggcactcc 420

gcgtgaagat tgttgcggcg aatgaaagaa acaaacatg 459

<210> 5419
<211> 275
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316075e04b1

<400> 5419

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cgcagaggcg cttattcctg cgcttaagac agcagacttc atagaatgtg aacctgctgc 120

tcgagaggca ggactatgca tttcgatata gagcgtgcgc taactgctag gtgggaccat 180

ctccggcaaa gcactacact gaagctacta caggtgcttc gacagctctc tatacatact 240

cagcatctta tggttacctc tgacctactg caggt 275

<210> 5420
<211> 179
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316075e05b1

<400> 5420

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gcattatcca gtttaaaact tccaaaaaaa aaaaaaaaaa aggacgccaa aaaagcacc 179

<210> 5421
<211> 505
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316075e07b1

<400> 5421

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gctgtgcttg ccggagaact tggaggaccc ttatttcgag tggatacact gggcgcaggc 120

gtcaattccg ttctccgagg aagagctcga gtacataagc aaacttgatc cgatgaggga 180

tgctgcaatg ctgcggggag aactgcccat gatacgggag gcttgcctcc gagtccttat 240

cctgtgcaca atcttcctca aggaagctgc tgctttcggg ctttgcttgg cagagatagg 300

ggagatgatg accagggaat tcagaggaat ggaggaggaa cccagcaaac tggaggttgt 360

gtgcatggaa gccaggagga aagtagacga atgggaaccc ttctccccta gtgttgaaga 420

ggacatggat ttccagttct cgatggatgt gttaggaggg tacagtgatg tgattcgatc 480

gccaagattc aattgctcgg gcctg 505

<210> 5422
<211> 532
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316075e08b1

<400> 5422

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catgacagtt agcaggaaaa gtttagatac ctcctctggc ttcttgtcat gcattggcaa 120

tgttcttggg tataaggacg atggaattga agtacaatgg gctagtggtg tgatatccaa 180

ggcgcagcat tttgaaataa ttggattaga aagacttcta gatagttcac taggatctgt 240

gaatgaggtg catacttctg tcgacgacga ggctgagcag gaaacaattc gccatgagag 300

tactaagaat gccctggaag agtctggtga agactgcact ggttcattgc gcaatgcttt 360

ctacttctcc aaaacagctt ttaattttct gacgaatgtg gcttctagtt tctctggtgc 420

tcatgattct acatcatcta gctcaattac tgcagttcct cagtatcaaa ttgtgaagtc 480

agcagatcta cattcgtctg cagaagaaat ttcgttgtgg agttggtgat gc 532

<210> 5423
<211> 555
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316075e11b1

<400> 5423

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ctgatggaga acaacaggag caaccagcag gctcctccac caccgccagg gtacccgacg 120

gcggctgcgg agcaggacca ggtcggcggg aagaaggggc gccgggcgag caccaaatcc 180

aggggcgaga agggcttcat cgagggatgc ctcgccgcac tgtgctgctg ctggatctgc 240

gagatgtgct gcgactaacc ggccggccgg cgaggccgct gctggctggc acaagacctc 300

ggtgctatag tacccacgag gaggaggagc gtatgcgtat acagagagag aattgttctt 360

aatttcagtg cccgttgttt taggttctat acagtatata ctcctaagtt gatgcatgca 420

tgatcagtac cagtgtgaga tatcgattca tgtatccgtg ttgggtgcga tattcatgca 480

cctcgtcgtg tgtaattaat cggtgtgtac gagacccacg aatatactta caagtactgt 540

ctactgtgat tgagt 555

<210> 5424
<211> 205
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316075f01b1

<400> 5424

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tggttgtgca ctccgaacaa aattatcaaa aaaataatcg ccaaaaaaaa aacaactgaa 120

gacaagtacg atgaaaagca ccaagaaaat atactggaaa gaattaactg agacaaacga 180

tggatttaac gtaaaaaaca ataac 205

<210> 5425
<211> 457
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316075f02b1

<400> 5425

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ctcgccctcc tcctccggcc ccgccgccgc cgccgcctcg ccacaggctc acggttattc 120

aagatggaac acaaggaggc gggttgccag cagccggagg gcccaatcct atgcgttaat 180

aactgtggct tctttggcag tgcggcgacc atgaacatgt gctccaagtg ccacaaggag 240

atggtcatga agcaggaaca ggccaagctg gctgcctcct ccttcgatag catcgtcaac 300

ggtggcgacg gtgggaaagc acctgttgtt gcggctgtag ccgcgagcgc agaggtggtg 360

gttgctcaag ttgacgtgaa ggcgctcgtt gtgcaaactg ctgctgatgt tgcaagcacc 420

agcgaagctg ttgccgtgag ccccaagagg aggaggg 457

<210> 5426
<211> 438
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316075f03b1

<400> 5426

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gcttattgtt ggcaccgtca cagcagaacc agagcttcca gtccaaggag tcattgtccg 120

agcagcaacg gagctcgcag tccacgatgc tgccgttaca acaccaccag gacttgcggc 180

aacatcagca gcagctgagg ctccagttga gggaggagtt gtcgcatcag gaacagaact 240

cgcagtccgc ggtgcatcgc cgcagcagcg ccggtgcttg aggcggcaac acccagattc 300

tcagcccgcg aacttacatc agcaccagag ttcgcagccc gcactatcac cgtggcagca 360

gcacaagagc tctcagccag cgatgtcgct gtctcagcgg caccagagct tgcagagctc 420

gcagtatgtg ctaccacc 438

<210> 5427
<211> 217
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316075f06b1

<400> 5427

acgtttcgtt ccagcgatct tcgaggggct ccagggggag ggtgcactca cgcctgcttg 60

ggttattcac gtgctggtga cctaacagtt gtacagcatc aagggcacgg ccgaaatcga 120

gaacctcgga gagctggaca gctggctcga gatccgtcct tgcgctatgt tgctcaaagt 180

cgtaacctgg cactccgaca ggggcttacg caactag 217

<210> 5428
<211> 402
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316075f07b1

<400> 5428

gtctaacaca gcaaatcata ctagacagtg tatttttcca cataatatat ctggtccgga 60

ctgtaattgg gcgtcttgca actgcagatc aggctgcaag aatgcagatc aaactgcaag 120

agcggacaga tgtaccctga tctgacagag cagggcagcg ccaacgacta ggtcgacaac 180

gaggtcgtcc tcggcatggc gcctgggatc aaggtttgac agaaccaggt gtccggcggg 240

cagttcggcg aggactgcat ctgctgtgac aactgcaagt gcaacccctg cgactgttaa 300

tgcaacatgc actcaaacgg aaaaccgtgt gatggtccag agagtatacg tgaataacga 360

gcgtctgatc tgatggagtc gagcaagtgt gagagggcct gt 402

<210> 5429
<211> 484
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316075f08b1

<400> 5429

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ccgcccgtgt agtacaatag gaggtacgat gcccatcttc gtgaagacac tattaggaaa 120

gacccacact cttgaggttg ggagcttgga caccatcgag agtgtcaagg tgaagatcta 180

tgagaaggag ggcactcgcc cgatacagca gcgcctcatc tttgctggca agcagctgga 240

ggacgggcgc acgctggcag actacaacat tcagagggag tctacccttc atttggtgct 300

ctgcctttgt ggttgctgag atgcatggcc attcaacaac cagttttatt ttgctgcagt 360

cctccttgca gtagttgtgt gttgccaata aaactatcat tctagtacta ctctgaatta 420

agaatccctg gctctgcctt ggcatcattt gattgagaaa tacagcgcgg gtgcagcttc 480

tttc 484

<210> 5430
<211> 58
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316075f10b1

<400> 5430

tcgtttagct tcaaaaaaaa aaaaaaaaaa agaaaagtta aaataaaaaa aaaattag 58

<210> 5431
<211> 296
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316075f11b1

<400> 5431

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aaaccccccag cgcgcggccc caggggggaga ttgaaaccaa cccggggttg ggaacacaca 120

agccgacgac aggacaccct agacaacaat caagtgactg ccgaaaagac aacaccatga 180

ctggcatggc aagtgtgtca caaatgctag cctgcccgcc acacatcaaa gccggcacca 240

gcgcagcgcg gtcgccaaga gaggccgcac agcagcgacc tgaccaacag tggcat 296

<210> 5432
<211> 507
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316075f12b1

<400> 5432

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tctgagcttt ggacatcaaa ctttttacaa tatcagttgt ttgcggaaag ccaagactat 120

ggtagtcatg gagagcgtgt cagaaatgct tgctggggtt atctttgtca aagtgctaca 180

ctggaactac gagaggtgct tccaaaactt tcttcacaaa ctttgcatgc tctccttacg 240

tctgacgaac tgtgggtacc taatgaggag aaacggtttg aactagcatt atttgcacta 300

ctggcaaagg tcactgtttc tgatgtagaa gttggtggaa acgaaaattt ggaccttatg 360

gcaagctcat caactgttga ttgttccatg ggaaagggaa agagtctgat gaatgaaact 420

gctgagaagc agctaatgga atctgaacta caagagttga agttgcatga taacatgcag 480

aataaagctg ccaatacatt attgatg 507

<210> 5433
<211> 534

<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316075g01b1

<400> 5433

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agatgctgcc cgtgaccata cgcgcggcag tgaatgagaa gctgagggag aggctgagag 120

gagggcaggt ggacgaggag gccgccgcga cagcgatgga cgccgtggac ggagtgctgc 180

ggtggttggg gccaatggcg catgacacgc tgcggtggca ggacgagagg agcatggagc 240

ggaagcaacg gttcagcatg cagccgcgcg cgccgatggt gcagacgctg catttcgcgg 300

accgtcggaa ggcggacgct gccatcgtcg aggtgctcgt tggtctcagc agtatgtgct 360

ggtacgacga tcaacggtgg cggccggctg actggaacga gtagccggcc tggtcaacga 420

cgatgcgcag ctcatcatgt gtaaatgtgt agatactgta tacgtgtagg aaagtcattt 480

gtatacatnc acaagatcat tgatggcacg tgttgttgtg tcaatatatt tttc 534

<210> 5434
<211> 513
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316075g02b1

<400> 5434

acgcgtacgc tttcgcgcgc ctcccctgac ccgccgcagc agcggcgcca gagcgatcgg 60

ccgccatgag cggcggtggc gccggcgaca cgctggacaa gctggtggtg ttcctggcga 120

agcgcgacgg catcgacaag ctggtgaaga cgtaccagta cgtgtcgaag ctggcgcact 180

gggcggcgga gacgtctcac ccggggctgg ccgggcgggc caagagctgg gagacggcgg 240

ccgggctgag ccgcaaggtg ttccggtcgg ggcggtccct cacgggcttc aacgcgctgc 300

ggcggtcccc gggggagttc ggcgcgctgg ccgtgctggc caacgccggc gagatggtct 360

acttcttctt cgaccacttc acgtggctgt cccgcgtggg cgtgctggag ccctggctgg 420

cgcgccgcgc cagcttcgtg tcggcgttcg gcgagtgcgt cggctacgtc ttcttcatcg 480

tcatggactt catcatgatc aggcgcggga tca 513

<210> 5435
<211> 373
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316075g03b1

<400> 5435

tactaaggga agctggtgcg cgtccggtcc ggatcgagtt cgtgcagacc cacgcttacg 60

ctacgcgcgc gcgcccgcga ggagggaggc gggctcgccg agacggtagt agctgaagac 120

ccaaagccaa acaggaagta tacgttactg agcacaggag gacacactga gggaaagact 180

gtgacaatga gctaggagca agtcatgaca gaggcctcat gtgacagccg agcactcaag 240

gcaagagaac ggacgcggac ggatcgtcag tggtcgtggt gccgagtcaa actccatggc 300

atgaacaagt cacaggtgca gctgagtcca cctcccatga taaactatga accaccctgt 360

acaaaatgtc aac 373

<210> 5436
<211> 474
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316075g05b1

<400> 5436

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ggtgcatcag tggagcgaca tgctcggcgc gcccgagggc gcccgtacct tcaagctccc 120

cgaccccatg tactacatcg gctaggccgg ttgctgccac cttagattgc tcctcggtcc 180

tgatccacga gtgaataaac tccatgctct taatcatatg catgcttcgt caataatcgc 240

ccccccccct cccctccctg ttgttgtttg gttaatttcc attgttgaga acttgagatc 300

aattattatg tacccctcca ctaatgggcc aattttgacc cgttggagga agggatcgta 360

attggcggac caccaaacaa cggtcgggag agtcaaccaa gtgcccacat agaggaacga 420

gaagttgtgc ccactgatag tgtacaagtg acgattacga aattgttcct ttgg 474

<210> 5437
<211> 543
<212> DNA

<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316075g06b1

<400> 5437

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ggaccttgaa tcccaccaat tatctgcatt ctctgcagct tacgcagaac ttgagtccgc 120

actttctgga ttgaacgttc ttgttgagac ctacttcgct gacgttcccg cagactcgta 180

caagactctt acatcattga gcagtgtgac tgcttatggt tttgaccttg aacgtggaac 240

caagactctt gagcttgtca agagtggttt ccctgctgga aagtacctct ttgctggtgt 300

cgcagatgga cgcaacattt gggctgatga ccttgctgca tctctcgcca ctcttcagtc 360

tcttgaggct gttgctggga aggacaagct tgacgtatcg acttcctgct cactcatgca 420

cactgctgtg gaccttgtaa atgagaccaa gcttgatgat gagattaagt catggctcgc 480

atttgccgnc caaaaggtcg ttgaggtgaa cgccctgcca agcattgctt gtcaaaagat 540

gag 543

<210> 5438
<211> 469
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316075g08b1

<400> 5438

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acccatagta caaacaataa tagagcaact gagcacacca ggacacagtc ggtgaagtac 120

tgtgacagtg agctaggttc aggtcatcac aaacgcctca tctccaagcc gagcaccctc 180

gccatgagca cggacgcgga cgccgtgccg gtggccgtgg cgccggcgaa gcgccctccc 240

atcaacaagt acgccttcgc ctgcgccctc ctcgcctcca tgaactccgt cctcctcgga 300

tacgacatct cggtgatgag cggcgcgcag ctgttcatga aggaggacct gaagatcacg 360

gacacacaga tcgagatcct ggccggcatc atcagcatct actcgctgct gggctcgctc 420

atggcggggc tcacgtncga ctggctgggc cggcgctaca ccatggtgc 469

<210> 5439
<211> 466
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316075g09b1

<400> 5439

tttcgtttac gcgtgggcgg acgcgtgggt ggaactgtgc ctgttggccg tgttgagact 60

ggtgtcatca agcctggtat ggttgttacc tttggtccca ctggtctgac aactgaggtc 120

aagtccgttg agatgcacca tgagtctctc ctggaggcgc ttcctggtga caacgttggc 180

ttcaacgtca agaacgttgc cgtgaaggat ctgaagcgtg ggtttgttgc atccaactcc 240

aaggatgacc ctgccaagga ggcagccaac ttcacctccc aggtcatcat catgaaccac 300

cctggtcaga ttggcaacgg ctacgcccca gtgctggact gccacacctc acacattgct 360

gtcaagtttg ctgagctggt gaccaagatc gacaggcggt ctggtaagga gctggaagcc 420

cttgccaagt tcctcaagaa tggtgatgct ggcatagtga agatga 466

<210> 5440
<211> 439
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316075g10b1

<400> 5440

ttctaggctg agcaaggacg acattgagaa gatggtccag gatgcagaga agtacaagtc 60

tgaggatgag gagcacaaga agaaggttga tgccaagaac tccctggaga actacgccta 120

caacatgagg aacaccatcc aggacgagaa gattgcctcc aagctgcctg ctgacgacaa 180

gaagaagatt gaggatgctg tcgacgccgc gatccagtgg cttgacgcca accagcttgg 240

tgaggttgac gagtttgagg acaagatgaa ggagctggag ggcctctgca accccatcat 300

cgccaagatg taccagggtg ccggtgctga catgcccgga ggcatggacg aggacgcgcc 360

ggctgccagc ggcggtgctg gccccaagat cgaggaggtc gactaaggta ttctctctga 420

tatagngaga aaatacact 439

<210> 5441
<211> 263
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316075g11b1

<400> 5441

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gctcaaacaa gatgttcaat gtttagttcc cgtttttgtt ctggttatga gttgagattg 120

tacaagctct gtttggtcct gtttgtattg taatatactg atgtgttaat atagtttgtg 180

ccgtttatta cccttgtgga cttaagcatt tccaaaaaaa aaaaaaaaaa aaaaccaaaa 240

aaaaaaaaaa agaaaaaaga aaa 263

<210> 5442
<211> 431
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316075g12b1

<400> 5442

tcggttgata ggagctgtag cacacacgat cggggacgat catagactcg ttcaggacga 60

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caatttgatc tgaagacgga cctgcggaag atggcggcga ccacacacca gtgcctctga 180

cctgattatg ccccacacca ggcatgtggc tcgactgggg cttccacatg tgtccaagat 240

tccggctatt gatgttagga ttacgcgagt tggctgggtc gtggcccggg tagctctcta 300

tcatcatatc ggataggatt agtggcatat gttgccaata tgatggattc aggcacattg 360

gggtgatact ttgaatggcc atcgtgaata atcaataaag tggccgtatg catcttccag 420

atgcagaggc c 431

<210> 5443
<211> 204
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316075h01b1

<400> 5443

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ttatgatgtt ccccttttg tgatcagaaa cttgacaagt tactgtgtgt agaagaacaa 120

catcaccgtg gggtctttgt agcgcttttg tagtccaatt tttaccggaa gggaacttta 180

tagtcgttaa acgagccnna nntt 204

<210> 5444
<211> 326
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316075h02b1

<400> 5444

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cgctttcccg tccgaatcgc ctgctgcagg ggcgggttca gttacagacc gggcccaagt 120

cccctgcaaa ggggcgcctg ggagggtgag agccccgtac ggcccggacc ctgtctcccc 180

acgaggcgcc gtcaaccagt caggttgttt gggaatgcag ccgaactcgg gctgtagact 240

ccgtccaagg ctaaatacat gccagagacc gatagcgaac aagtaccgca ggagccaaca 300

tcttaaaaca tgatgctcgc acctac 326

<210> 5445
<211> 257
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316075h03b1

<400> 5445

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gagccacaca ttcatgaaca actggagcga aacaaaagcc tatggtccct ttgtgcctgc 180

taagatgcaa cagcagcttc aatacaggct tacagggatg cccccgccta cggaaaacat 240

gatgccccca ccggaaa 257

<210> 5446

<211> 469
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316075h04b1

<400> 5446

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gatgtgctct atgggggttg tcttactttg tcaggtacgt ttcaaggaga atacaaggta 180

cgagcgagca tacggagtgt tatgcatatg ggtgtcatgc attcttggta actttccggt 240

ccgtaaaatt tccattcggt taagtactaa agcacacggt gtgcttttct gtgtatcatg 300

ttcacggtta ctacaaccag aatgtgatgt ttgttgatgt gggtaccatg taattgtctc 360

atgttaacta tcgcttatga tgtctaatat gttgagtttg tgttgaatac atgtatatgt 420

tggagtaatc caatggcgtt tgataggagt tgggtcgttt tcccacacc 469

<210> 5447
<211> 356
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316075h05b1

<400> 5447

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tgtgctgcag ccaggaggag gacgaggcgg ggttcaacct gctgccgctg gtgatggccg 120

acttcgtcat catgctgctc ttcgtcgtct gctcgccgcc gccccggcgc aggcgctgcg 180

tcgtcgtacc gtgctactga cctgacctga cctcatggtg gccgggtggt gggagcctcg 240

atcggcggcg ctgcaggcag gcaagtggct ggtgctgtgg taggcgtttg tttggtaggt 300

gtctgaattt tctgactgat gcctgttggg cggaagaata aatctaattt ctgctg 356

<210> 5448
<211> 535
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316075h06b1

<400> 5448

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ctaggtgcac ccgctctgta tcaattgtgc ccccggcata ttatgctcat ttggcagcct 180

tccgggctcg gttttacatg gaaccggata cctctgacag tgggtccatg gcaagcggtg 240

cccgtggccc tacacagggt ggacgcaata ccaggccgtt tgggaacgtt gctgtcaggc 300

ccctccccgc cctgaaagaa aacgtgaagc gggtcatgtt ttactgttaa ggtcggatgg 360

tcattgttta cactattatg caaacctgaa gatattcgac tgagtttggg tgtgttaaaa 420

gtatccgcac tgcattggtg gcactgggag atctccgcca tgcaaaaact ttaagtggtg 480

cgcaatgtga aactctgtaa ccgactacct atctgtggtc gtatttgaac taccc 535

<210> 5449
<211> 306
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316075h07b1

<400> 5449

ctgtatcatc cgaaaggtgt gctctagggg cggctttata tacggaccgg gcccaagata 60

cccaggaaag gggcgcctgg gagggtgaga gccccgtccg gcccggaccc tgtcgcccca 120

cgaggcgccg acaacaaatc aaaaggggtg gaaattctgg cggacccaaa ctttataccc 180

cgttcacgcg ccaatacagg cttagaaaag ggtcccctac atggacccca agggccaatt 240

ttttacaacc cttttacggg gaaacccctg gggaaaccca attgaatccc cttgcaaaac 300

accccc 306

<210> 5450
<211> 443
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316075h08b1

<400> 5450

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tgcaacatgt cagaccgccg ccgccacctg ttggtcaata ccctcccatg cagatgcatg 120

gacagcctgc ctggcctggt cctccacaga atatgcaaca agtaccacct ccgatgcaac 180

agcagcttca atacaggctt ccagggatgc ccccgccgcc gcaaaacatg atgcccccac 240

cgcaaaacat gatgccgcca cctcatcaca tggccaggcc gncgccgaca cctaccaata 300

tgcaagctcc acctatgtgg aggccacccc caccccccaca acaaggtggt ggaatgccgc 360

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tgtcttccat gggttaattt ggc 443

<210> 5451
<211> 177
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316075h09b1

<400> 5451

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agaagaccaa gaccatacac gcggaagaga atgagaagct gagggcgagg ctgagaggag 120

ggcaagtgga caaggaggcc gccagagaca gagattgacg ggggggccg ttttctg 177

<210> 5452
<211> 382
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316075h10b1

<400> 5452

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cagctcgccg aggcacgccg caacgccacc aggctgagga gggaggtcga gcgccatatc 120

cgcgccaacg tcgcgctagc cgtgccgacc accagggcca aggtgcatgc ggccatggac 180

cgagcgctcg cgctggactg catctacccg atgccgatgc ttcgggacat gcccgagaag 240

atacccaagg ccgtcgagcc cactcactag cggacgcgcc gttccgcctt gtaggagccc 300

aacaacttaa agagctacgg gcgtgcgtga ggcacatcct gcaacggatg ggcccaagat 360

caccaggacg agatgcgagg ca 382

<210> 5453
<211> 485
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316075h11b1

<400> 5453

cttacgcgtc cggacacatc gccccaaagt aggtcgaatc taagcgatgg cgtctcgtct 60

gcttgcggcg gcctcctcct cctcctcgtc ttcctccccc ctcgctcgcc tcatctccag 120

ccgccgtatg gccggcgccg cagatcacca cggatcgaca aaggtgaaca tgtggcagga 180

gcccttgaac cccggcaact ggaaggaaga gcactttgtg ctaaccagct tagcgatgtg 240

gggcgctatt atatatggtg gattgaaggt gtttggcggg aaaaaagaag tgaaaaccga 300

ggcggggtca gcgccagcag cagcaccggc acattaaact tcatccgagc tttatttttct 360

taccgcaatc tgttttaagt atgttgttga cgataaattg agaccaagtt tgtaaggctg 420

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catcc 485

<210> 5454
<211> 62
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316075h12b1

<400> 5454

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ac 62

<210> 5455
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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316076a02b1

<400> 5455

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gctctcatgt ttggagaagt tgttcatgta tagcagctgc tacgaaaatt tgtgcatgta 180

tagcaactgc ttggaagtcg taatgtacaa tttgtcattt gcccgttcca aaaaacattc 240

ggtactgaaa aaaagaaaaa gaaaaaaaaa agacaaatga aaaaaataag gaacacaaga 300

aag 303

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<213> Triticum aestivum

<223> Clone ID: uC-tsro9316076a04b1

<400> 5456

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caccaggctg ctcctggcac ttgtcggggt ctacgctgga ctccgctccg actgccggca 180

aggcatcact gacgcttccg gcgatgctat attggagcct gtgctcgtcg cgacacctga 240

gcggtgtctg cctgcgccat gatctgaaga aagcacaaga gtaagcgtcg ggctgtctat 300

acgtactcga ggttatgttc ctgc 324

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<211> 397
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316076a05b1

<400> 5457

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cgggacgggt cacgactacc tggagatgag caactggagg aggcaaaatt agagtcagcg 180

gggcaatgag tagatggtac atatctccga ttatgctcag gatgcatgaa ccattttgac 240

gatggtagtc cacgtaacca aggatacgct tgaaagagga atatgcatgc ccctgaactg 300

aagcaggccg gcggtccaag tggtccatca aacctgtggg gcgagccaca tgtttttatg 360

taattcgacg acgtttgcac tcgacgaaat atctatc 397

<210> 5458
<211> 418
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316076a08b1

<400> 5458

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cgttcgactc caaccgcgcc gcgctggtgg ggctgtacca ggacggctcc atgctcacct 180

tcgagggcga gaagttcggc gggcccgccg tcatcgtcgg caagctcgga tctctctcct 240

tcagcagtgc cagcacaaga tcgacaccgt cgactgccag ccctcggggc cccagggcgg 300

cgtactagtc ttcgtctccg gcaccatcac caccggccca ggcgagcacc ccctcaagtt 360

cttacagatg ttccatctgc tgccagctgg agggagcttc tacgtgcaga acgacatg 418

<210> 5459
<211> 385
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316076a09b1

<400> 5459

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atggtgagag atggaggcgg cggcggcggc ggccggcgtg cagctgggca cctcgaagcc 120

gcagatcgcg acccaggcgg agatggcgga ggcgcgcctg ccgatcccct accgcgacca 180

gtgcgcgcac ctcctcatcc cgctcaacaa gtgccgcgtc gccgagttct acctcccctg 240

gaagggcgag cccgagcgcc actcctacga gaagtgccag tacgagctcg tcatggagcg 300

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caccatcggc gtgcccccct gcccc 385

<210> 5460
<211> 512

<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316076a10b1

<400> 5460

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ttcctcgcca gcatctccgc gaaggacgaa agggtgtgat ggctccccgc gccgccgtgc 120

tgctcctggc catggccgtg gcctccgtct tcttcgcctc cgcgtcggcg cagggcatca 180

tggcgccttc gtcggctcct tcatcggcgc cggcgcccgc gccagacacc ggagcggcag 240

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cgcggcgatg ctcctgcagt agagatgatg gctgcgcttc gcctgngtga tcggtttcta 360

tacataccgt cttcgttagt gctaggctag atcggtggtg gtttgatgag tctctgttgc 420

agagtttggt cgatcggctg atctgttagg cattctttct ctctgtcata catatatccg 480

ctacattata ctgctgtgtg ccctgattta ta 512

<210> 5461
<211> 437
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316076a11b1

<400> 5461

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ggtcacgact acatgatgat gaggaactcg tggagtgagg agtggggcca gacgggctat 180

atcaggatga agaggggcac cagcatcggt gagggcctat gcggcatcaa caagatggtc 240

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gatttgaacc atacttgaga gtccttgctc ctgatctttg catttccctg catttctttc 360

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aataaaattt atttcca 437

<210> 5462

<211> 449
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316076b01b1

<400> 5462

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tgttgaccag ttcacccctc tcggtcggat gctttacaag gcaccatctg atgggaaatg 120

gggcgaacat gagctggact acctgctgtt catcgtgcgc gacgtgaagc tggtcccgaa 180

cccggacgaa gtggctgacg tgaagtacgt gagccgggag caactgcggg agctcattca 240

gcaggcggac accggctagg gcggcgtgaa gctgtccccc tggttcaggc tggtggtgga 300

caacttcctc atgggctggt gggagcactt ggagaaaggc acgctcgcgg aggcggtgga 360

catggaaacc atncacaagc tcaagtgagg acgccatctc ttgatagctg attgtgtgct 420

gaaaaagaac ttattcacag gcagctaga 449

<210> 5463
<211> 423
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316076b04b1

<400> 5463

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gtggagcacg ctgctgctac ctggtcgcgc tctcagcagt gtgaatttcc agaagcatgc 120

ttgccgtgcc ttcttccggg tgcaccggag gccggcatgt gagcaggggt gcttcagtga 180

tgcagaagaa aaaaggcaag tcttattggc atgggaaggc tacgccttta ttccaggtct 240

gcctctctcc atctaaatcc gtgtttggag gaggggggcta cggttagttt acccaccggt 300

ttaccgtgtc cttgtgagtt gcggtcatta tcatgcactc gtcagttgct tgtcatgtat 360

ggtgtccttg aattttcagc tacataatgg tcggttgtgt cagtgaatgg gagtgtgttc 420

atg 423

<210> 5464
<211> 420

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316076b05b1

<400> 5464

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cccacctccg ctagactgct gcgccgccgc tctgagcgcc ggcccctctc taactccggc 120

cctgctcgac tgcgtacgtt ccggtgctcc cccgcctgta ttagtctgct gcgccgccgc 180

cctgggcgcc ggctcctctc gacctgctgc gctgcccgcg attctgcgag cttgccatta 240

acaggtcacg ataagcaggg gcacaagtgg ttttacgcaa tgggtcattt caagaacagg 300

tacatggtga tggaggtctt catcgacgct agcagaggag aggctgatcc tgtcatcctc 360

acccagttca acataaccaa agtgatcaga gacagcatcc agctcaactc tggggaatgc 420

<210> 5465
<211> 467
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316076b08b1

<400> 5465

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tcctcctcgt cctccaagcc aagccaagaa actcctcgtc tctccaccct ccgtccgtga 120

aggaaggagg caatcgggta tggggaagat gtgctgcagc caggaggagg acgaggcggg 180

gttcaacctg ctgccgctgg tgatggccgc cttcgtcatc atgctgctgc tcgtcgtctg 240

ctcgccgcag ccccggcgca ggcgctgcga cgccggcccg tgctactgac ctgacctggc 300

atcatggcgg tgcggtggtg ggagcctcta ccacgatcgg cggctctgaa ggcaggcaag 360

tggctctgtg gtggtaggcg tttggtaggt gtctgaattt tatgactgat gcgtgttggg 420

tggaagaata atctcaatgt ctgctgaatt cgatcggact gttaagc 467

<210> 5466
<211> 340
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316076c03b1

<400> 5466

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gggcctgtgt ttctttgcgg atgaggccat gacacaaggg gtggtcccaa ggacgttccg 180

atcgaggtgg gaacagagat gatgttatgg atggctgaca gggacatagg aaacactggc 240

gagcttttta gccgggttac acatggatgt tgtgagaagt gcatttaaaa aaggcattaa 300

gaaggtgaac tcaatatggg agagaacaga agcattgatc 340

<210> 5467
<211> 387
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316076c12b1

<400> 5467

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cggcggcgag gacctttcg tccaccagtc cgccatcaag tccgacggct accgcagcct 180

caacgagaac gacgccgtcg agttcgagat aatcaccggc gacgacggac gcaccaaggc 240

ctccgacgtc accgcaccag gaggaggggc gctctccggc ggctcccgcc ctggcgaagg 300

cggctggtga ccgcgggggc cgcggcggct atggaggcgg cggcggtggc tactgcggtg 360

gcggtggtgg ctactgaggc ggtggtg 387

<210> 5468
<211> 478
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316076d01b1

<400> 5468

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ttctgctgct acaagacctg cgagtgctgc atggagtcct tgtgctgctg cggctaattt 240

tagctgcaca tttctgctgt tgcatggaga tctggcaggc tgggctgtac tgtggaaacc 300

catatcgttt cgcctcggtg agatgatgaa caggcatatg tgcttgttcg aataaaaact 360

gtagttacgt ctctattgtc atgtatattg ttggtcgcca aaaataagag agtatgctgt 420

tgggtgtgtg ttgcctttga cgattgtcat gtatagtgct gtcatgtcta tggggata 478

<210> 5469
<211> 389
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316076d04b1

<400> 5469

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agacgggccg ttcccgcggg ttcgggttcg tcaccttcgc gtcggacgag gtgatgcgcc 300

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accattcccg ccgctccggc ggaggcggc 389

<210> 5470
<211> 416
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316076d06b1

<400> 5470

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tggacttaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaagaaaaaa ataaaaaata 120

aaaaaaaaaa aaaaaaaaaa gggggggccc cttttaaagg atcaaagttt acgacccggg 180

gaaggcaaag caatagtttt ttaatgggga aactaaaatt aaattaatgg gccgcggttt 240

aaaaacgtgg gaatgggaaa aacccggggg taaccaaatt aaatggcttg gaagaaaatc 300

ccctttggc aagtgggatt aataacaaaa aggcccgaac ggatggcctt tccaaaaatt 360

tgacaaactt aaagggcaaa gggaaccccc ctttaaaggg cctttaaagg gggggg 416

<210> 5471
<211> 57
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316076d07b1

<400> 5471

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<210> 5472
<211> 471
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316076d08b1

<400> 5472

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tggggctcct gggtccgttg ccaaagccgc ttacaacttc aacgtgacag ccaaatgcgg 120

ggagcctggt gccactgctt gtgctgaccc aacgacccat tggagctggg acggtattca 180

cttgacggag gctgcttacg gtcatatcgc caggggttgg ctatatggcc ctttcgcaga 240

ccaaccgatt gttcagtcct cgtgagcatt ccacctctgc tgttgcactt gtagagcgtc 300

tgagaatagc acactaaact ggagaaggga aagtagttct tccatatagt tccaatggtt 360

catacgtgta tattttcatt tgattgaatt cattgcaagt ggggtaaaaa aaagataccc 420

tttctaaaaa acaaaaaaaa ggtttcggca ccttaaccga accaaacttt c 471

<210> 5473
<211> 216
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316076d09b1

<400> 5473

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ccgcggggtg cccctgcttg tacctagatg gttactcttt ccgtccattg tcaccggcta 180

acattgtgat aatatcagtc tgggtaatgt tagatt 216

<210> 5474
<211> 383
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316076d10b1

<400> 5474

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gggttgttgg gttcatggcg agtctggtaa agtctgcggg gatacggaaa ctccgttgat 120

ctttggtgaa agttacctaa aaaaaaaaaa agaaaaaaag aatgaaaaaa aacaataaaa 180

taaagaaaaa aaataaaaaa aaaatgtaaa aataataaaa acaaaagaag aaaatgaaaa 240

taagaatgga aaaaataaaa aaaggggggg gccgttttga gggctcaaat tttccctggc 300

cggggttgca caacattttt ttttttatag ggccccctaa tttaaatctt tgggcccctg 360

ttaaaacaac ctctaatggg aaa 383

<210> 5475
<211> 529
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316076d11b1

<400> 5475

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taaccgaaac ccacccccac cggcggcgag ccgccgacga gccagccatc caagatgcag 120

tacaacaacc tgggacgggc gggcctccgc gttagccagc tctcctacgg cgcgtgggtg 180

accttcggca accagctcga cgtcaaggag gcgaaatccc tcctccaggc ctgccgggac 240

gcgggggtca acttcttcga caacgcggag gtgtacgcca acgggcgcgc cgaggagatc 300

atggggcagg cgatccggga cctggggtgg cgccgtgccg acgtggtcat ctccaccaag 360

ctcttctggg gcggccaggg gcccaacgac aagggcctct cccgcaagca cgttgtcgag 420

ggcctgaaag cctcgctcaa gcggcttgac atggagtacg tcgacgtggt ctactgtcac 480

cggcccgacg ccaccacgcc catcgaggag acggtgcggg ccacgaact 529

<210> 5476
<211> 407
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316076e02b1

<400> 5476

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cgacccgaca acacttttat ttagcccacg tgacgcgacc ccgcgcatag cactcccact 240

ccacacctag taaaaagtat cattccactc cactccactg gctgactcag catcacgccg 300

tgccacgtag gagcacacgg tcgccgccgt ggaagctgac ccggccagat gctcctccgc 360

gcgcgccgga gcctcacacg ctgacgctgg ccaccgcggc ggtcggc 407

<210> 5477
<211> 441
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316076e05b1

<400> 5477

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ctgctacctg gtcatgctct cagcagtgtg aatctccaga agcatgcttg ccgtgccttc 180

ttccgggtgc accggaggct ggcatgtgag caggggtgct tcagcgatgc agaagaaaaa 240

aggcaagtct tatcggcatg ggaaggctac gcctttcttc caggtctccc tctctacatc 300

taaatctgtg tttggaggag ggggctacag ttagttcacc caccggatta ctgtgtcctt 360

gcgagttgtg atcattatca tgcactcggt agttgcttga catgtctggc ggtacctctt 420

gaattatcag ctacatataa t 441

<210> 5478
<211> 200
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316076e07b1

<400> 5478

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gctggttgaa cttgtataat attatgtcgt ggaattgccg gccttcataa aaaaaaaaaa 180

aaaacaaaaa aacaataaaa 200

<210> 5479
<211> 486
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316076e08b1

<400> 5479

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tcgttcaagg agcagttgat gtggacattg gagccaatcc ctctgctgag ggtggtggtg 240

acgatgaggg tgtcgatgac caggccgtga aggtggttga cattgttgac accttccgtc 300

ttcaggagca acctgctttt gacaagaagc agtttatctc tcacatgaag cgctacatca 360

agaacctcac tgccaagctt gaaggggatg acctagatgt tttcaagaag aatgttgaga 420

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tgcatg 486

<210> 5480
<211> 534
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316076e12b1

<400> 5480

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cgcctcggcg cagcagcagc aggccttcat gctccagcag cagcaggcct tcgtgctcca 240

gcagcagcag cagtaccagc agatgatgat gatgggcgcg ccgtcgctcc atcgccaggc 300

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gccggcagcc gccgcggcgg tggtggctac ccttatgctc cggcgatgca gctccacacc 480

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<210> 5481
<211> 329
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316076f01b1

<400> 5481

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gcctgtgcgc gctgagcctg tcgcccatct cggcgcaggc cgtggccaag atcgtctcgc 120

agctgcaggc ccaataatga actgctcgat tcgattgatc gccgcgattc tgtccgcgat 180

tcgtagtgat gcatgctatc tcgcatgatc tgctgcccca tgttctagta gcctcaaatt 240

attggtgttt ccagttccgc cgatataaat tatctattat tattacaggc gaagaaaaca 300

tggttcccgt agtcacggga gtagccatt 329

<210> 5482
<211> 338
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316076f02b1

<400> 5482

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gcgacgaacc ctaactcgtt gaacttcaac gtcatggttc tttcaaaaca gtgaatcggt 120

gatgtaaggt ggaatggata ggcttggtct tttccattct catgggctgg tgcctgatag 180

tcagcatagc ccgtcggaaa aacagagact tgttgcctaa aagtaaactg tgctctttgt 240

gcagaagtta tgtctttgtc ttctggcttt tgtatcagaa ataaaaaagg agtattagtt 300

gctggattgt taaaaaaaaa ataactgtaa aaaccatc 338

<210> 5483
<211> 448
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316076f07b1

<400> 5483

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cccgacgacc cgttggttcc ggagattgca cacatgtaca agagcgaccg tgcgaagtat 180

gagtccacag cgaggagctg gacccagaag tatgcaatgg gctgaccctg gagccgcgct 240

tggaggatga tgttggggcc atcttcgctt gttacaccta atgtatcttt gttcctgttc 300

tgctgctgct atatgggatt gtactgtcca cctacctgac tgaattcaag tgtcatattg 360

tgaagtgatg gcagatggcc cttatgggtc tatgggtgca cccatccaac aaattaatag 420

agatgggaac cgaaacttaa gttgttct 448

<210> 5484
<211> 452
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316076f09b1

<400> 5484

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tattcacagg ggtggtggtc aggtcattcc cacggccagg agggtcattt atgcttctca 120

gctgactgcc aagccaaggc tgctggagcc tgtgtacctg gttgaaatcc aggccccgga 180

gaatgcgctt ggtggcatct atggtgttct gaatcagaag agagggcacg tgttcgagga 240

gatgcagagg caaggtaccc cgctctacaa catcaaggcc tacctccccg tcatcgagtc 300

ctttgggttc tcaagcaccc tgagggctgc gacgtccggc caggccttcc tccagtgtgt 360

gtttgaccac tgggacatca tgggcttcga tcctttggac cccggcaccc agtctgcgac 420

gcttgtcacg gagatccgga tgaagaaggg gc 452

<210> 5485
<211> 535
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316076f10b1

<400> 5485

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tgccggcgtc gaccatggcg gcttccaact ccggcggcat ccccatcaag gcggaacagg 120

attcggatgg ctcggcccag agcacagctg atatgactgc ttttgtgcaa aatcttctag 180

ttcagatgca aaccaggttc caaactatgt cagagaacat cattacaaag atagatgaaa 240

tgggtgcaag aatcgatgaa ttggagctga gcatcaatga cctcaaggct gaaatgggca 300

gcgatggtat gacccctact aaagtgaagg acgaagaatc aaagccagca gacagctctg 360

cctgatttaa gcagaagtag cagaagcaag tcgtattagg cttggctcca tgtcaatatc 420

atcagccatt catcactaac ttaatgcatg ttatgagatg gtattcgcac tgttatatgc 480

atttgagatc tacagtacct gtcgtgagag atctcttttg atgcattgat gcttg 535

<210> 5486
<211> 447
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316076g09b1

<400> 5486

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gtgctgacgg aggaggcgcc cgcggtggag acgccggtgg ccgccgagga ggccccgaag 180

acggaggagg tcctcgcgcc ggcggaggcc gaggtcgagg cgtctgcccc cgtcgaggtt 240

gaggcgacca aggaggaggc gccgggcgcc gctgagacgg aggaggccaa ggagaccgag 300

ccagcagctg cggccgagcc ggaggccgag gcgcccaaag agccagaggc gccagccgtg 360

gtcgagacag agaccaagga ggccgtggca gaggccgagc cggcggtggt cgaagaggtg 420

aaggaggagg ccgcgcctgc tgccgag 447

<210> 5487
<211> 530
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316076g11b1

<400> 5487

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gctggccggc gtggcgctgg gaggggggcgc ggccgagggg gccggcgagt gcgggagggc 180

ctcccccgac cggatggccc tgcgcatggc cccgtgcatc tcggcggcgg acgagccgga 240

ctcggcgccc tccagcagct gctgctcggc ggtgcacacc atcggcaaga gccccagctg 300

cctgtgcgcc gtcatgctgt ccggcaccgt caagatggcc gggatcaggc ccgaggtcgc 360

catcaccatc cccaagcgct gcaacatcgc cgaccgtccc gtcggctaca agtgcggaga 420

ttacacgctg ccttgatggc ccggcaatgc tgccgatcaa gatgaatgct gtggaaggtg 480

tcgtcgtgtg ggaataagcg agtggtgcat gtaccactta tgtggggcac 530

<210> 5488
<211> 532
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316076g12b1

<400> 5488

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ccggcggcag cggaacgcat cgagatgtcc aagtacgtgg agctgctgga catgggcgtg 120

cgcatcgccg ccagggtcca ctcccactgc ccgcagacgg cgcgcatgta ctacaagccg 180

ccgcagtcca cctcctcgtc gtcatcgggc gccgccgagg ccgacacgac tgatcggagg 240

gcagccggct ttgacggtgg cgaggacgtg gcggctggct tccgggcctt cgcagcctcg 300

ggagctctcg gcgccggtcg tcgtacagcc gcggttcggc ttcgacaccg cgcaggtcgt 360

catctacgag gtcgtatgag ttgaggctcc gaacaacgag ggcgggctct tctggggaga 420

gatctcttcg atgagaatat ttatgaggcc atggaagtgg tcgatttatg acaccattct 480

ttaattagtt tgcgtacatg ccggaagaat tgatcacaga agagtttttt gt 532

<210> 5489
<211> 492
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316076h02b1

<400> 5489

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tccgccatga tggacctgga tccccgcctc tacgaggacg cctctgtcag cgataacgat 120

gttcgcaaca tagtgctatc ttatcttatg cacaattgtt ttaaggagac cgcagagacc 180

ttcctatcca gcactgggct aaagttacct gttgattata ctgtagatgt ggataaacgt 240

aaagcgatct taaattttgt ggtggaaggg gatgccgtga aggccataga actgacagaa 300

gagttggcgc ccaacttgct agagaatgac atggatttac attttgatct tataagtctt 360

cacttcattg agctaattcg ttccagaaaa tgcacagaag cacttgagtt tggccagaaa 420

aagttgacac cctttggtaa agtttccaag tatgttgaga aattagagga ctttatggcc 480

ctcctagctt at 492

<210> 5490
<211> 243
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316076h04b1

<400> 5490

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ccaccaacga gagcaagctc tgcctctacg gcctctacaa gcaggccacc gtcggtcccg 180

tcaacaccgc ccgccctggc ggcctctttg atatggcccg catggccaaa atggatgctt 240

gga 243

<210> 5491
<211> 537
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316076h05b1

<400> 5491

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ctccaagcgg ttccaagtga agttcaagag aaggagacag gggaagaccg attacagggc 120

caggctcagg ctcactaacc aagataagaa caagtacaac acgcccaagt accggtttgt 180

tgtacgattt accaacaaag atgtcactgc gcaaattgtg tacgctacca ttgctggtga 240

tattgtgatg gctgctgcct attcccatga gcttcctcgg tatggtcttg aagttggcct 300

caccaattat gctgcagcgt actgcactgg tctgcttttg gcccgacgtg tgctcaagtg 360

ccgtgatttg gatcaggaat atgagggcaa tgttgaggcc accggggagg acttctctgt 420

tgagccagct gatgagagga ggcctttacg cgcgctcttg gatgttggtc ttattaggac 480

cactactgga aaccgtgtgc ttggtgccct cagggagctt tggaggtggt cttgata 537

<210> 5492
<211> 93
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316076h07b1

<400> 5492

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ggttataccc acctccccgc aaaaagaact acc 93

<210> 5493
<211> 191
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316077a04b1

<400> 5493

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gtgcgctaaa gaactctttt tttattatta ctaaaaatat gtataccgga tctaacttat 120

ttgctatcat tttctttctt ctgtgtcaca aaaaaaaaga tgaactgaaa aactaaaaaa 180

aataaatggg t 191

<210> 5494
<211> 470
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316077b01b1

<400> 5494

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caggtgtgtg ccccctaaaa tcatatctgg gcatcgattt actgctatca gtcaacacca 120

gtccgctgtt cgggattatc tggaagcgta caagctggac tcggagaatc ctctaatcaa 180

tctctgcgtt ggttcgtcct tgatcaacct ctccctgggc ttcaggcttc agaacaagaa 240

ccagtgcatc gtccaggcgt ttgcgttcct ctacaagtgc ctgcgcatcg gcagcaacag 300

gcaggaggcc ctgtacaaca tagcccgggc ttaccaccat gtcgggctca aaaccctggc 360

ggccatctac tacgagaagg ttttagccat ggaggtggaa gatcacccca tacccaagct 420

tccattcgag gaggattttc atgagcacca ggctcttagg cctggctact 470

<210> 5495
<211> 224
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316077b04b1

<400> 5495

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aatggcggtc taaaaaccca ccatattaaa ctaaaaaacg attatgctct ttactggccc 120

ccctttttta aggtcccaac attcctgccc ctcactgccc ccctcatccc tcttcttttg 180

tgtcacctaa tttaaatcca ctgtccccca ttttacaccc cttt 224

<210> 5496
<211> 570
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316077b06b1

<400> 5496

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ggggaacaac aaaaccaaac aacaaaccga agaaccaacc aagccagaaa aataacccccc 120

ccagcaaagc cccaaacccc aaaaggggggc ctaaacgggc cccccactaa aaactaccaa 180

aatccccccg ggcggcttcc ccccccaaac cccatggttt gggaacccca accccaaatc 240

ccccccccccc cctgaacaac cttaaaactg ggaaaacccc gcggtgcccc aaaaaaaaac 300

cccttccaac aaaaccccccc cttaccaccg gggccaaata cccaaaaggc cccaaaaaaa 360

cccctcttca caaaattccg aaaaccaatt gggcaaagga aacccccccc aaaccgcgcc 420

caaacttcca aaactttggt cctttccccc ccccaccaaa cccccacaat tgccccgccc 480

ccaaccccccc cccctccctt caccccccccc ttaatccacc atccccccttt tcccccaaac 540

ctccaaaagg ggcccccccta ggcccccccaa 570

<210> 5497
<211> 519
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316077b07b1

<400> 5497

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cttgcaactg tggatccggt tgcagctgcg gctcaaactg caagtgcggg aagatgtacc 120

ctgatctgac ggagcagggc agtgccgcgg tccaggtcgc cgccatggtc gtcctcggcg 180

tggcgcctga gaacaaggcg gggcagttct aggtggccga cggccagtcc ggctagggct 240

gcaactgctg cgacaactgc aagtgcaacc cctgcaactg ttaagctgca tgcactcgtg 300

tgatggtgtg agagtatacc ttaataacga gcgtgccttt gatctgatgg agtccagcaa 360

gggtgcatgt gcttgtgctt gtggttaact tgtcgctctc cactatgctc tgcccttggt 420

ggacttgtgt gaatgtgagt gcacctggcc ctgttattgc ttcatctatc ttcactatgg 480

atggagtgaa gaatattgta aaaatggatg aattaccta 519

<210> 5498
<211> 329
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316077b10b1

<400> 5498

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agtatattgt ttcatagtaa tgtgtttcag acacccgctc ggcttccagc gtttagtaaa 180

taacatttgt tgaggcattg cccaacgggt gctcatatta tttaccaaac ttggtatttc 240

taaatgttac ggccccgtga ctatgaaatg cgttgacaca aggcctaaac ttggaactgg 300

ccgttctttt acaacatttt tactgagag 329

<210> 5499
<211> 395
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316077b12b1

<400> 5499

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gcaatgccgg tagcccgaga ggggggctga acgacgccga gattaagaac tagaaaaagc 180

tcatgggtcg gctcatccat tgagacgtaa gggtttgata ttgtaacccg catttcgccg 240

cctccattgt atgtatattt attctgtccg agttgctgtt gttgcgtaaa actgtggcag 300

caatgtgagc agattgacat gtttgcgctg ctgacctgag tggctgtgat gcacgtttca 360

tcatcagcac tggaaatgct gttgtttcca gaaag 395

<210> 5500
<211> 517

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316077c01b1

<400> 5500

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atgccaggaa tcaacaagtt tttcaccagc ccaaaatgaa gcactttagt ctgtctgtga 360

ctcgcaatta gtaactgttg tggtcaagtg caaacctatt tcaagcattc agtaatgttg 420

ttgcggtcat aattcagagg acatttgtca atacccttta tttgaagaac catgtgatgt 480

tcgacggctt gtttatatgt gatggttgat ggttttt 517

<210> 5501
<211> 535
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316077c08b1

<400> 5501

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ggaaccaccc cggagcgcct ccatcatcga ggttcaccaa gatgaggtgt gggaggtacc 120

gcccggtggc aaggtgctgg cctactccga caagacgcgc gtggagatgt tcgccgtcgg 180

cgacaacgcc ctcggcatcc agggccaccc ggagtacacc aacgacatcc tgctcaacct 240

caccaaccgg ctcgtcaaca acagcaccat cgacgggtgc gtgggcgagg actcgcggag 300

gactgcggag agcggcgaac cggaccgcga gttctggagt gggctctgct aggccttcct 360

gaagggatca ggatgcgccg gcggtggcgg tcccaggccg ccgccgcagg gaccggccgc 420

ggagcttagc tgcagccacc acgtcgctca cttccctgcc accgtcttcc ttattggctt 480

gtagcgcttt gcaaatgcac ggaccngctg ttgttagttc ggcgcatgca tgtgc 535

<210> 5502
<211> 316
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316077c09b1

<400> 5502

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cttcaacttt gaaccccaag ccagcgaccg tggaccaccc acggagaaga agcttgccgc 120

aataaggtcc ctgtgctttg gggggtattt atctagtttt gttgactgat tgatgagggc 180

aacaattcgg tttgtattga ttaaattttt tggtctgttg atttctagta cataatctac 240

acattgttgt attatgacgg aattgtttgt aagcagtttg tttgtataat ctgtccttta 300

cattgtctta caatct 316

<210> 5503
<211> 282
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316077d01b1

<400> 5503

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gaagtacgtg agcaacctat agaggcgtga gactagccga taccttgaga tgttctactc 180

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caactagcct ggagcaatgg ggcatgaaga ggatcattta gc 282

<210> 5504
<211> 284
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316077d04b1

<400> 5504

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ctctatgctc tccagctcaa ctctttgtct agcctgccga tgactctcaa gaacgccctc 180

ttgcttgccc tcctggagac cgtggtggcc ctcggtggca cgcttttaac ccctgcccag 240

gtggcccccc tgctcccgtt cacggtttac cccaccgggg cgga 284

<210> 5505
<211> 364
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316077d05b1

<400> 5505

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gcctatgtca ataccctgac aactgggggg cgccttttta agggacccct cttacccacc 180

ccgtgcttcc acggcattat ccttttttgtg gggctcccga agtacaatgc atagccggcg 240

tttcacacgg cagagatggg aaaaaccctg gcttacacca ggtcaatgcc ttgcactgga 300

ctcccctttt caccggtcgg gattatagaa atggggcccg acccaatccc ctttcccaac 360

aggg 364

<210> 5506
<211> 262
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316077d08b1

<400> 5506

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atagtgtaca ctgcgaagga gatgatgact aaagatgaaa tgaactgtcc gccaccgttc 180

gcagggtgaa caaatgaact gagatgttat cttgaacggg gacgaaagaa gaaactgttg 240

ctacacgatg gcaaaactta aa 262

<210> 5507

<211> 99
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316077d09b1

<400> 5507

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cgcgcccccg aggagatcaa gaccgtacaa cgggaccaa 99

<210> 5508
<211> 368
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316077d10b1

<400> 5508

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ctctcaagag catgtacaac gctgagaagc gtgggaagag gcaggtcatg atcaggcctt 180

cttccaaggt cattatcaag ttccttatcg tcatgcagaa gcatggatac attggcgagt 240

ttgagtatgt tgatgatcac aggtctggca agatcgtggt tgaattgaat ggcaggctga 300

acaagtgtgg tgtcatcagt cctcgctttg atgttggtgt caaggagatt gagggatgga 360

ctgcaagg 368

<210> 5509
<211> 489
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316077d11b1

<400> 5509

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tggggatcct ctcacacgtg aacgccgact atttccccaa gtgctgcaac aactgcaggt 180

ccttctcggg ggtcgacgtc tgcgacgacg cccacccca gtgccccaag ggctgctcgg 240

cctgccgcgt ggtgacgccg agccctcaca agacgttccg gtgcgccgac atgaagagca 300

ccgtcgatgg cacctgcggc gggccatgca agaagcactg atccgttcag ggcttcaggc 360

tcagacgagg tgtgccgtct aaaataaagc tcagatgaga tgagcagtca tggtgcctat 420

gcttgtgtgt gggtcgtgct atacggccaa caaatatgat actgctatcg acgtgtcttg 480

gtcaatgtg 489

<210> 5510
<211> 375
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316077d12b1

<400> 5510

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gcgtggtggc tgacatctcg gcgcagaaca ccccgcagga ctttggcaac ctgcacaacc 120

gcgcccgcgc cgtggacggc gtcggccccg gggcatggga caacaacgtg gccaggtttg 180

cgcaggactg ggcggcgcaa cgcgccggcg attgccggct gcagcactcc ggcgggccgt 240

tcggcgagaa catcttctgg ggttcctggc agtcgtggac ggccgccgac tccgtgaagc 300

tgtgggtgga cgagaagcag aactaccatc ttgacagcaa cacctgcgac tcctgcaagg 360

ggtgcgggca ctaca 375

<210> 5511
<211> 482
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316077e06b1

<400> 5511

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attcattttt tactcaaaat actccacgga cttggaagga tactatgaaa agattgatcc 180

tggctttatc gacatgagaa caaaagctcg tgaagtgttg cagagagagg atgacctaaa 240

cgaaattgtc acagcttgtt ggtaaagatg cactgcgaga atctgacaag attactttgg 300

agacagccaa gcttctgagg caagattatt tggcacacaa tgcttgtacc caatatgaca 360

agtattgtcc attctacaaa tctgcctgga tgatgcgcaa cattatacat tcaaatacat 420

cngcgaatca agccgtggag cgagcatcca atgctgatgg acacactaaa cctacgccgt 480

cc 482

<210> 5512
<211> 528
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316077e08b1

<400> 5512

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tgctgacgcc gttggacagg gaggtgccca aggtggtggt ggtgatggcc ggcgacgaca 180

tgccgtcctt cctcgccagc gccacgccgc tcgccttcgc cgaggcggcc aaggtgcagc 240

gcccgtactg ccagtgcggc gccaaggacg tcgccgaccc cgtatagcta actgtggctc 300

tctcgccgcc gatcgacacc caagtatata tgtgtcggtt aaatcaaacg gggggagcta 360

aattgtgctt cttttatgta gattattaca ctagtttaca tcatttttct ccctagttag 420

tagttttggt gcaacgatgc gaatgcggtg ctggggcctt gtccaggagg cttgttgtct 480

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<210> 5513
<211> 532
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316077e09b1

<400> 5513

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aacgggcagc gcgtagtggt tgtccggtgc gaggagatgt gcatctccgg cggactggtc 180

cgtcagaaga tgaagtacct ccgcttcctc cgcaagcgga tgaacaccaa gccctcgcac 240

ggccccatcc acttccgcgc cccctcgcgc attttctggc gcaccgtgcg cggcatgatc 300

ccgcacaaga cgccccgcgg cgaggccgcg ctcgccaggc tcaaggcttt cgagggcgtt 360

ccgccgtctt acgatcgcac caagcgtatg gtcatccccg acgcgctcaa ggttctgagg 420

ctgcagccgg ngcacaggtt ctgtctgctc ggcgagcttt ccaggaggtc ggatggaact 480

accatgaaac tatcagggac tggaggagac gaggaaggag aaggccaagc tg 532

<210> 5514
<211> 453
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316077e10b1

<400> 5514

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accttcgcat gcgccatgag caacatcctt cccgccatga ccttcgtgat ggccttcatc 180

ttcaggatgg agaaggtgga cctgagaaat ttgcggtgcc aggcgaaggt ggcggggacg 240

gtggtgacgg tggccggcgc gatgctgatg acgctctaca aaggcccgct gatgcggatg 300

gcgtggacga gccacggaca ggcccacggc ggcgaggccc cggccgtcga tcccacgggc 360

agggagtggt tcctcggctc gctctttatc atcatcgcca ccctcgcctg ggcctcgctc 420

ttcatccttc aggctcacac cctgaagcag tac 453

<210> 5515
<211> 335
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316077e12b1

<400> 5515

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gtatgctctc cagctcgtct cgtcgtcgat cctcccgatg acgctcaaga acgccatcga 180

gctgggcctc ctggagaccc tggtggccgc cggcggcaag ctgctgaccc ccgccgaggt 240

ggccggcaag ctcccgtcca cggcgaaccc cgccgcggcg gacatggtgg accgcatgct 300

cccgctgctg gcctcgtaca acgtggtgtt ctgca 335

<210> 5516
<211> 559
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316077f04b1

<400> 5516

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ctgcaaagat ggggaggata ccgtctctga agaacttcaa tgcgtttccg cacgccgaag 180

accacctgct gaagaagact tactcgggtg ctatagtgac gattctcggg ctaattgtta 240

tggttacact tttcgcgcat gagctcacgt tttaccttac aacctatacg atgcatcaga 300

tgtctgtaga tctgaaacga ggagaaactc taccaattca tataaatgta tcatttccat 360

ctttaccatg tgaagtcttg agtgtggatg caatcgacat gtccggcaaa catgaggttg 420

acttgcatac aaatatctgg aagctccgtt tggataagta tggccacatc attggtactg 480

agtacttgtc tgatcttggt gaaaaggagc atggaactca tgatcatgac catggtcatg 540

agcatgatgt agaaaagaa 559

<210> 5517
<211> 566
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316077f10b1

<400> 5517

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ggcagcgctc ctcgtcgccg gtcgcacctc cgccgccgac gaagtgggcg ccattctcct 120

gccgagccaa ggccaagagg aagcagccat ggcggcggcc aagaagaggc cgtggaagtg 180

ctgtgaccag gcggtgtgca ccaggtccat cccgccgatc tgcagctgca tggaccaggt 240

cttcgactgc ccctccacct gcaagtcctg cgggccgtcc atggctgacc cgtcccgcca 300

cgtctgccaa gaccggtacg tcggcgaccc cgggcccatc tgcaggccgt gggagtgctg 360

cgactcgcct acctgcacca ggtccaaccc gccgacgtgc cgctgcgggg acgaggtcga 420

caagtgtggt ccgacctgca agacctgcct gccgtccagg tcccgaccct cccgacgcgt 480

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acgcggtagc tagcatgcgc agcaca 566

<210> 5518
<211> 357
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316077f11b1

<400> 5518

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tcaagagagt tggaaagagg caatggatac ggatgaacac actccccagg ttccgataat 180

gtgcataaac aactgcggct atttcaggaa cccgatgaca gaaaacatgc gctcaatgtg 240

ttaccgagac actgtctagg acaagagcat ggccctgcta gatgagaaca caactggcgc 300

tgctgcagca tcgtgaccca caccaatggt ggcagacatc aaggatgaag cgtgtgc 357

<210> 5519
<211> 441
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316077g03b1

<400> 5519

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gcatgcttgc cgtgccttct tccgggtgca ccggaggccg gtatgggagc aggggcgctc 180

cagtgatgca gaagaaaaaa ggcaagtctt attggcaggg gaaggctacg acctttcttc 240

caggtctccc tctcttcatc taaatccgtg tttggaggag ggggctactg ttagcttacc 300

caccggttta ccgtgtcctt gtgagttgag gttatcatgc actcagcagt tgcttgtcat 360

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gatcatgtga gtcaattagc t 441

<210> 5520
<211> 537
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316077g05b1

<400> 5520

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acaagaatgc cttcaaggca cttattgctg cagagtactg tggggtcaag gttgagctga 180

ccaagaactt tgagatgggt gtctcaaaca aaacccctga attcatcaag atgaatcccc 240

ttggcaaggt tcctgttctt gagactcctg atggtgctgt ttttgagagc aatgctattg 300

cacgctatgt tgctcgctca aagggtgaca acctgctttg gggtggttct cttattgaat 360

atgcgcgtgt tgagcaatgg atggactttg gtgccacaga ggttgatccc aatatcgcaa 420

ggtggctgta cccaaagctt ggttatatgc cttacaatgc ccagtctgag gaactcngca 480

ttgcttgatt gaaagggccc ttgagcattg acacacacct gcatcaacac attcctt 537

<210> 5521
<211> 549
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316077g08b1

<400> 5521

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ggcacaaaca ccggcagctc ctcctccctc cactcctcgc cggagaactc cacgtccgcg 180

cccgccagga agcggagcaa gaacaaccct ggctgcggcg ccgcaggagg gcagcaggtg 240

aagctgccgg ggccggtgct gccgtcgtgc gatctggacc tctgcctgac gcccttgtcg 300

tcgccgctgg ccggcgggag gcgaggcggc gcgtcagacg agtactccac cacgacgtgc 360

tgcgaggacg ccagcggcga cgcggcggag gccggggcgc ccccgctgct gaacctcttc 420

aactgagaac ctgagtgtaa actgtaattg tgcagttcgt gtgtgtgtgt gtgggtggtg 480

attaattatg ttgcatcggc gttagtcaat gacgtttttg ggaccggcaa aaaaaaaaaa 540

aaggtgggc 549

<210> 5522
<211> 514
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316077h04b1

<400> 5522

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gagaaggggt tagtcctatg gcacaagagc ttgtagaacc tgcacctgac aatgtccata 120

ttgacgcggt tttcattaca gaagttagtg gctccatgtc ccagtctgat ttccactcct 180

cgctgatggc atctgaaagg atcgtgcctg gcttggaaga cggcgaggca gctctccgca 240

ggacttcatc cagagatgtt ttgtcaagtg aaagatcaga tgtttctcaa tccagcttaa 300

catctgtgtt gcctgctact tcaagtgcat catccatcat tggagaatca attccagatg 360

caactgctag cagagaagat gttccaacca tattcagcgt gtcacatggt cagattggtg 420

gaagtacagt gcatgaagac atggttagca ttttctcaaa tgatggccca gaacactcta 480

gagattcgag taatggtgaa acaagaagaa atca 514

<210> 5523
<211> 553
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316077h05b1

<400> 5523

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ggacttctac tccaccatca cccgtgccag gtttgaggag atgaacatgg atctgttcag 120

gaagtgtatg gagcctgtgg agaagtgttt gagggacgca aagatggaca agagcaccgg 180

gcacgatgtt gtccttgttg gtggttccac taggattccc agagtgcagc agcttctcca 240

ggacttcttc aacggcaagg agctctgcaa gagcatcaac cctgatgagg ctgttgccta 300

cggagccgtc gtccaggctg ccatcttgag cggagagggc aactagaagg ttcaggacct 360

gctgctgctg gatgtcactc ctctctctct tggtctggag acggacgggg gtgtgatgac 420

agtgttgatc ccaaggaaca ccaccatcct caccaagaag gagcaggtct ttttcaccta 480

ctcggacacc agcctggtgt gctcatccag gtgtacgagg gtgagaggac caggacccgt 540

gacaacaatc ttc 553

<210> 5524
<211> 104
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316077h06b1

<400> 5524

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atgatggccg ttcggtgcca ttgttggtgt ctcgaggagt ccat 104

<210> 5525
<211> 244
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316077h07b1

<400> 5525

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ggttgcctca aaagaaaaga gaacatggaa gaacaagtat cccaattcca gccaaagtcc 120

agtacatctt tggatggcca tcatgaaaaa aggtctttaa aaaaaaaaac actaaccttt 180

cttgtttatc aaaaaaaaaa aaaaaaaaaa actacaaaaa acataaaaaa aaacaaaaac 240

taag 244

<210> 5526
<211> 488
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316077h11b1

<400> 5526

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ccgcgcaagg aacgcccaga tccccaaggc cggccacgat ggcggcggtt cggtgcgcgg 120

cgaggaggct cggtggctcc ctgctccagc aaacgcaggc ggtggtcgcg gaggagggac 180

gcctgctcgc gccaggcagg ctcatgcgct cccgccagct ctccagccag gtctccggcg 240

agcgatcaca ggtggcggag cgacgactcc tcgagccagg ctggctcatg cgttcccgcc 300

agctctacag caagaccccc aagaagaaga agctgtctgc cttggaatct gagttcctgt 360

ggacacagga gacgcttaat gcctcgtgtg ataggttgga ggagcttcaa aagaaagcag 420

caccagatgc ctttaagttg ggcgtgaaga cctatggacg tgtggctaag ggtgtggtca 480

gtggagct 488

<210> 5527
<211> 96
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316078a01b1

<400> 5527

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cctgcgcggg gtgaggtgtg gagatgatgg ggggag 96

<210> 5528
<211> 98
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316078a02b1

<400> 5528

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gtcggcgtgc cccgagagga gtggagatga tgggggga 98

<210> 5529
<211> 367

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316078a07b1

<400> 5529

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aggttccaac tgcttttgat ccgttttctg aggcaaatgc tgaagactcc ggccctggtg 240

ctggatcaaa gaactatgtg catgttcgtg tccagcagcg caacggaaga aagagtctga 300

caactgttca aggcttgaag aaagactacc gctataacaa gattctcaag gatctcaaaa 360

aggaatt 367

<210> 5530
<211> 234
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316078a08b1

<400> 5530

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cattcctcct gagagggtgt tcttgatata cctttctgtg aacaacaaat ggggcagttc 180

tcctgtaagc gttcaggaaa aaacctgggg atacccaaaa taaaaaactt aggg 234

<210> 5531
<211> 408
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316078b01b1

<400> 5531

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gctccgggga ctgttggcct ggtccaagaa aaatccaagc acagagcaga ggagcataca 180

gcctcgagga aggaaagaaa cagagcggct ttgctgtttg ggaggtggcc ggcgagagag 240

atggggcagc tcaggccggc ggcgggaggc ggcggggact gcctgatcaa gctgttcggg 300

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cttcagcaca gaggcggcag caccaccgct gaactaaagg tgcaagaa 408

<210> 5532
<211> 373
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316078b02b1

<400> 5532

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gctcttcctc tacatcaccg tggccaccgt catcgggtac aagcaccaga cggacccggc 120

ggtgaacagc gccgccgacg cagcgtgcgg cggcgtgggc gtgctcggca tcgcctgggc 180

cttcggcggc atgatcttcg tcctcgtcta ctgcaccgac ggcatctccg ggggccacat 240

caacccggcc gtcaccttcg gtctcttact ggcgcgcaag gtgtccctgg ttcgcgcgct 300

gctctacatg attgcgcagt gcctcggcgc catgtgccgg gtcggccttg ttaaggccct 360

tcagagcgcc tac 373

<210> 5533
<211> 368
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316078b04b1

<400> 5533

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atggtggaaa gcctggacca cacaagatcc aaggaattgg agctggtttt atccctggtg 120

tcttggatgt tgacatcatt gatgaaacca tacaggtttc aagtgatgag tccattgaga 180

tggcaaagtc tctggcattg aaagaaggat tgctggttgg aatctcttct ggtgctgctg 240

cagcagctgc aatcaaggtt gctcagaggc ctgaaaatgc agggaaactc tttgttgttg 300

tattcccaag cttcggagag cgcttccttt cgtggtgctc ttccactcca tcaagaagga 360

ggccgaga 368

<210> 5534
<211> 107
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316078b05b1

<400> 5534

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cccagaattc acccagatac gcatacaccc gcccggctaa taacaaa 107

<210> 5535
<211> 414
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316078b06b1

<400> 5535

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agccaccctc tggtcaagga aggcaagctc gccaacctcc tcgcatggcg ggcggggagg 180

attctctgga agagggcgcg gtgctgtgcg agtgaagaca tgatttgctg tcgctattcc 240

atctgtggaa tttgttctga ctgtcagttt gtcgtttggt tactgtgaag cagccggcca 300

ggctattgct ctctgaataa actattagct ctaggtggtt tgctgcgtct gccacaatga 360

gcgtacttct ggggaaaagc tgcctcgaac ttataaataa gcattatttt ttct 414

<210> 5536
<211> 460
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316078b08b1

<400> 5536

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gctcctcccc agcttcctct actccccgcg ctccttcgcc gccgccgcct ccccgcgctt 180

cccctcctcc ccgtcgccct accaggcgcc cgcctcgccc gccgcggccc cggctgctgg 240

cctcgtcggc gctggcgggg tcgggggcgg caggcccttc ttgatccgcg cgcccaacga 300

gaagatagag atgtactctc ccgccttcta cgccgcctgc accgtcgggg gggatcgcca 360

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attgaccccg cgaaatacaa gagcatctca tctggatttg 460

<210> 5537
<211> 538
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316078b09b1

<400> 5537

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ttctgtggag aaagaattct agttttgcga tatctcggca ctacagacgt tttgatgtgt 180

atgaagaagc agaagctaat aaagctgctg gaaagtatga caatgcatca atcgatgaac 240

aaatagattt ctacagaaat gagggcctaa cacattattc tcccgccaag cttcctatca 300

caagtgacgt cccggaaggc tgtgtgatca tcagagaaca cgttcccatc tcgaacctct 360

tcacatgtct ttggttcaat gaagttgagc gcttcaccgt cagggatcaa atcagcttca 420

gcaccgttcg ggacaaaata agggctaaag tcggctggat gccccaaatg ttcctggact 480

gcgaaaggcg caactttgtt ngtcaggcat accacangga gctgctagag caaatgat 538

<210> 5538
<211> 421
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316078b10b1

<400> 5538

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gaccaggagc ggaagaaggg cgtcccgtgg acggaggagg agcaccggct gttcttgaag 120

gggctgaaga agtacgggag aggcgactgg aggaacatct cgcggaacta cgtgacgagc 180

cgcacgccga cgcaggtggc cagccacgcc cagaagtact tcatccggct cacctccggc 240

ggcaaggaca acaagcgccg ctccagcatc cacgacatca ccaccgtcaa cgtgcccgac 300

gacgacgacc gcggcagccc ctcggggtcc ccgccgtccg cgctcaccac cgtcgacacg 360

aagccttggc cgtcgtacgg cgggcaacgg cacgccttca tgccgccgac gctgccagcg 420

g 421

<210> 5539
<211> 376
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316078c02b1

<400> 5539

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actgaggctg tagatcgacc accgccggcc gtggtcggtc gcttgtacat gcacacatac 180

ctattgctcg aataaacgcg tgctcgaggc gagcacgctg ccattagcta atttagtgcc 240

cgcgtgtctg aatgtacaat actagtacaa tgtgtagtat ttatctctgt ttattatggg 300

cgatctgact gccaggttat ctaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 360

aaaaaaaaaa aacacg 376

<210> 5540
<211> 377
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316078c06b1

<400> 5540

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gccagtctcc tggttgattc cggcgccttg aaccaagatg tatctccagt actacatcaa 120

cgagaagggc gtcaaggtgt acaccaccaa gaaggaatcc cctctcggtg tgccgacgca 180

gtctgcccac ccagctcgtt tttccccgga tgacaagtac gcccgtcagc gttacctgtt 240

gaagaagagg tttggattgc tgccaaccca acagccagca caaaagtact gaagcactgg 300

atgggtcctc ctaagagatc tgttttcttt gctgaatgct gtttggagtg tagattagct 360

ttgtgaagag agaatta 377

<210> 5541
<211> 469
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316078d03b1

<400> 5541

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atggctctga gtttgtgatt aaagtgcctt attgctacaa ctctatgtac atggatactg 120

accaagctca aaatgattta ttcatgatga tgcaggtcaa tgtattaaat gaattggtag 180

ctccagacac ttgcgcacaa agcgtagaaa ttttgtatga ggttaggggt ggagtagaca 240

tggaatttca agttccagtt cctttcaatg ttctaccagt tcaacagata gttcctcaga 300

gtggtggaga aggccaagct gagttagttc ttgattcttg tattggtagt tccactgtgc 360

atgacccgtc taagatgtct gctgagctat gcattggtga atcttgcact tctatgttac 420

agttgatgaa gaggtatctn cgattgcaac aactaatgca tcatggact 469

<210> 5542
<211> 394
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316078d04b1

<400> 5542

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ctgccatccg tgctgatccc accatggcca aatcaaccaa ggcgcctccc aagactcaca 120

agagatacaa ccccaagaag ctgacctatg agcagaggaa ggccagcctc gttgaaaggc 180

tcaacgccct caacaactct gcgggtgccg ccgatgacga tgaggacgac gacgagtgaa 240

gagctctttg tccaccccag tgtagtcttg caacgtgcgt ttttgttaaa gtccggcact 300

ctgcacaatg acctgttcca ttgagttctg tttgtcctgc tggagttata gattgtgtta 360

tctgggttat gtgccgtgct ggcatttgga tctt 394

<210> 5543
<211> 288
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316078d05b1

<400> 5543

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cccggacgcg cccatgttca tcccggcggc gttcaagaag gtggaggact actcgcccga 180

gtggtgggag ctggtcaaga ccaccgcctg gttccgcgac cactggttcc gccagcacca 240

gctctacgag gacctcgccg acgacgtcga cgtggacgac gttgtcgc 288

<210> 5544
<211> 94
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316078d06b1

<400> 5544

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caatctatta tatgttgtta aaaattatct tgtt 94

<210> 5545
<211> 72
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316078d08b1

<400> 5545

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acatgaaggc tc 72

<210> 5546
<211> 429
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316078d10b1

<400> 5546

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ggtgagcccg tgactctctg tctaccatga ttttttcctc ctcgaaaccc ccgtgcgctc 120

tctggttcgc aggttcctcg tcgatcggcg ggctgggctt gcggcgatct tggagcgaga 180

cgcgaggcgg ctgcatcttc cgatctgccc gtccggcgac tcagatctgt tacctatctg 240

atggcccgcg gcggatctgg gggttcccgg cggtctagag ttgactctgc ggcgatgaag 300

gctttttctc cgacgtgcac gtgtggattc ccggctttcc tgcttcgcgc gacgacggct 360

tttgtattga taattatccg atgatatttc gataattatt agatctaaaa gatcaaaggt 420

aagagcgtg 429

<210> 5547
<211> 389
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316078d11b1

<400> 5547

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cggtgcctgt attacaacat ccaaaccaac cctaatgtaa acatcctgga gaagtgtggg 180

agacagaagc tggaggtgtt ggatttggac cataacacaa tcaccggtgt tgaaccaagc 240

taccagaggt tcacttgtct taaatccctt tatttgaggc atgtgagcat ttctgccctg 300

gatttgagcc ttctagttgc tgcttgcccc aagatcgagt cactagcact tgatgtcctt 360

gagattgtca cttctgattg gcagtctac 389

<210> 5548
<211> 409
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316078e04b1

<400> 5548

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cagggagccc cagctgatcc caactatgga aatgcctacc cacagtcagg atatgctgct 120

gcaccgacaa ctggtcagcc tggatatggt caggcaggat acactcagcc accagctaca 180

aacccaccaa gttatgatca gtctgcgcca ccagcagctc aaagtggcta tgctgcacct 240

gctgcaaacc cacagcctgc ggttgcaaag ggcgtgtcac ctcagcctgc tgctgctgct 300

ggatacggcg ggcagtggac tgcctgactt ctgttccaaa gccctgctga cagcaagata 360

tatttgaaag ctatatatgt tttgtcacct gctgctttaa atctttgcg 409

<210> 5549
<211> 393
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316078e05b1

<400> 5549

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cccaaccgac gaagggaagg cctttgcaga gagggagtca ctctatttca tggagacctc 180

tgcgctcgag tcgaccaatg ttgaggacgc ttttgcggag gtcttgaaac agatttaccg 240

catcgtgagc aagagggcgg tcgaggcggg tgaagactcg gccgctggcc ctggcaaggg 300

tgagaagatc aacatgaagg acgatgtctc ggcggtgaag aaaggcgggt gctgctctag 360

ctgaggcgcc atgctgtatt ttttggtgct gag 393

<210> 5550
<211> 301
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316078e06b1

<400> 5550

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cgggcggcgt ggagttctgg cacggcgcgg agcgcgccgg gtggctgacc aagcagggcg 180

agtacatcaa gacgtggcgg cggcgctggt tcgtgctcaa gcagggccgg ctcttctggt 240

tcaaggacgc cgtcgtcacg cgcggctccg tgccccgcgg gatcatcccc gtctcctcct 300

g 301

<210> 5551
<211> 298
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316078e07b1

<400> 5551

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tgaagggcag ctgcactatg atccattcat gtaaaaaact gtaaatcgct tcagatgcta 120

aaaacaatgc cttgctcaag tgtcctggtg acaggagcat ggttgattaa tgatttcaag 180

catgcttctg gtaactgtca gcttacagtt tccccccctat cgttagcata caatgttctc 240

ttctatctca gactgtcttc cgacgattta gataaaagtt gttcatagca tcccctaa 298

<210> 5552
<211> 427
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316078e08b1

<400> 5552

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ctagctgtaa ataattgcct cacccagaga atcaaaagga gatggcgtgt taagggtaga 180

tgacaagagc tgtggtggtc aaatttccgt gtagcctatg gattcttgtg cttgtgtatg 240

ttgttttatg tggatttttt ccccttctgc ttgaagatgt ttcagcattt tccgtaagat 300

gcgatagtcc ctgaacgatg gctgcctaat ttctgtggcc cgccatgaga tttttacatt 360

gtgggtggat atggattatt gaaatggtgg ccctggttaa tgaacctcca ctgactgatt 420

ggaatat 427

<210> 5553
<211> 321
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316078e11b1

<400> 5553

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tgaagacgct cgcgctcaag gggaggcaaa tgtcacacct gatacatgag tatcggtgga 180

cctggaaggt gaaatagata gaaaggggtg agcgtgtgtg tgcccagtgg gccacatgtg 240

gccaggcgtg tgtgtgcaag tataagagac ctaccctgta ctccgtgggg gatatgaaat 300

aagaaaagtc ttgttgccct c 321

<210> 5554
<211> 323
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316078e12b1

<400> 5554

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tcccctacat gcgccatccc tgggagcatg tgctgggaat gggtctgggc gttgtgtttg 180

taaaccaact ggtgaagttt gatgagaagg tcaaggtgga ccttgacaag atgcttgagc 240

gtgcgaaaca cgccaatgag cagcgctact ttgacgaaga cgacgattag ctattcaaat 300

ttgttggcgg ctaccagggt ttt 323

<210> 5555
<211> 254
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316078f02b1

<400> 5555

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aatgtatcat gctatgtttt ccagctgtag aaatctgcta ccagtgtaga ctgacaattg 120

tcaaaatact tcttagtcta gttcagagca ataaattttt tgtaaatttt aaaaaaaaaa 180

aaaaaaaaaa aaaaaaaaaa aaaagaaaaa aaaaaaaaaa aattaaaaaa aaaaaatcaa 240

ataaaaaaga aaaa 254

<210> 5556
<211> 437
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316078f03b1

<400> 5556

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gacatgcacc aagaccaaca tggtcatggt ttttggtgag atcaccacca aggccactgt 180

tgactatgag aagattgtgc gtgacacctg ccgcaacatt ggcttcatct ctgatgatgt 240

tggccttgat gctgaccggt gcaaggtgct tgtcaacata gagcagcagt ctcctgacat 300

tgcccagggt gtgcacggac attttaccaa gcgccctgag gatattggtg ctggtgacca 360

gggtatcatg tttggctatg ccaccgatga gacccctgag ctcatgcccc tcagccatgt 420

gcttgccacc aagctgg 437

<210> 5557
<211> 255
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316078f04b1

<400> 5557

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tggggcagat ctttgaaagt tccaagttgg ttaatgttga tttttgctca tgcacaaccc 180

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gcagcctggg gttgt 255

<210> 5558
<211> 410
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316078f06b1

<400> 5558

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tacgcccacc accagaagcc gcagcccgcc tacggcttcc gcccccagaa cgagcagcag 300

cagcagcctt tctacggccg tgaggacgac gactccggct acgtatccaa gcccaagccc 360

aagccccagc ccgcgtacgg ctttcgccct caggcggagg aggagcagcg 410

<210> 5559
<211> 490
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316078f07b1

<400> 5559

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gaatcttgca cttctatgtt acagttgatg aagaggtatc tccgattggc aacaactaat 180

gcatcatgga ctgcgaacaa ttcttttgca gtctacccgt attattatgg ggcttacttc 240

acttcgggtg tggcattgag tggcaccaca ggctatatta ctggtgatta tgtggggctt 300

ttggcttcat gttatgccca ttctcgtgga gccctgaggt atagatggat gaacggtcaa 360

accactgctt cgggtacgat cactaagatt ataccctatg ataggctagt ggtagctcca 420

gtgtctgtta caactaagac gacctcccaa ttgcttggcc aagcacctca aatcacatta 480

agtgaaaatg 490

<210> 5560
<211> 174
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316078f10b1

<400> 5560

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gtctcgaggt gcctttgcag ttatctatgg actgcacttg aagtactaca taaaggatcc 120

tgaggttatt ctgggaagag agacagaaga cgtaaaagta gacatagatt tagc 174

<210> 5561
<211> 417
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316078f11b1

<400> 5561

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aacctggggt tgtcatccga ggaaagaagg gcaccggtgg cattactatc aagaagaccg 120

gcatggccct gattcttggt atctacgatg agcccatgac tcctggccag tgcaatttgg 180

tcgtggagag gctcggcgac tacctggtcg agcagggttt ctaagcccgc tctgatatgc 240

tgttattttg gtcgtctggg actaagtttg ctctactgtg ggctttgcat ccatctgctt 300

ggcgtaccgc atgatatatg cagtgaataa ttttagcttg gggtttgtcg gttggtgatg 360

tgtcgaaagg gaaaaatgga tttactatgc tttcttttta atgtttggca tcgcgtc 417

<210> 5562
<211> 215
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316078f12b1

<400> 5562

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aaaaaaaaaa aacaaaaaaa aaaaaaacaa aaagaaaggc caaaaaaaaa aaaaaaaaag 120

actacaacac caacaactgg ccagcctgac acaaaaaaaa aaaaaaaaaa acaaaaaaca 180

aaatacaaac gggccggccc tctttaaggg tcaaa 215

<210> 5563
<211> 271
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316078g02b1

<400> 5563

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tcacaggatt actggaagct tattaaggtg gaaattagca agcaagctac agtcggtgca 120

aggatgtcca agtttactta ttactttacg aagatgatga ttcctgcatg ttgattgtgc 180

ttcaaggtgt tattaatatg gggagaagag cagtccaaat ggcggatgga gtatgtgacc 240

tgttgatgtt agtttcattt tcagaaggaa c 271

<210> 5564
<211> 326
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316078g07b1

<400> 5564

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cgccatctgg ggcagcgtca gcgccgacgg cctcgccggg atcttcctct tcggcggcaa 180

ggagaaattg cagggctatc tttctcgcga aggctagagg ctgaggcagc aggacagagc 240

catgatgggc aagaactagt gcagaccacg gctcactttc gacgtgtcaa catgtgaact 300

agacatggaa cgaagtatct ctatga 326

<210> 5565
<211> 226
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316078g08b1

<400> 5565

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atgttgtttt atagtgaagg cgaaattaat atgaggggac gagcat 226

<210> 5566
<211> 342
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316078h01b1

<400> 5566

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cgcccaaggg ccagcgcgcg agggcggtgc gcccgctgtg cgcggcggag ccagcgagga 240

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ctgccgtgga ctacgaggcc ctggcgcagg agctggtggg cg 342

<210> 5567
<211> 299
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316078h02b1

<400> 5567

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agaccaatat ggagggagcc caatggcttc acaagtagtt gtatgagtag aatagtacgt 120

gctaagcaac agtgggggag tgcaaccctc agatggcttg aataaaagag gcaggggcaa 180

aggcgaggct ccacacgagg gcagtgcgcc cgctgtgcgc ggtggagcca gttaggaagc 240

cagtgttagg ctacgaagtc tcctagtctg tggcgcctat ggaagaagat gaaggggt 299

<210> 5568
<211> 441
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316078h04b1

<400> 5568

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tgggagggct ctggatgagc tgctatgacg ccaaagaaac tttgtgctgg caggagtgtg 180

catagcaggt gggtggaacg tgtgatgctg atggaccata ggcccaaata aagtggacaa 240

atgaacgatt aactataccc cactaagggt gttggacgat taagacagca ggacggtggt 300

catggaaagt cgaaatccga tggggagggg cgttacaacg gatctgacgt atcaactagc 360

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gacaagatga gtaagaggaa a 441

<210> 5569
<211> 386
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316078h07b1

<400> 5569

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tggcttccgc tactgcttcc gtctcgtcgc actccagcgc cctgcgcgat ctcaaagccg 120

cgaggattgg agccgtgagg cagcaggtgg ccgtggttcc agcgggcctg ccggcaaagg 180

cgcccaaggg ccagcgcgcg agggcggtgc gcccgctgtg cgcggcggag ccagcgagga 240

agccagtgtc ggcctccgcg gcctcgtcgc cggtggcgcc ggtggaggag gaggaggcat 300

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tggatcgtgc gctcgacatg ttcggc 386

<210> 5570
<211> 399

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316078h08b1

<400> 5570

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ggcatggggc gaacttaaag tccaagtgtc tgtaaaagaa acagacagga gacatcgtga 180

aaggtctaaa attacgcagc tttcccccca ccactggtgg ggggttttgg agctgacccc 240

ttaggaaaac aattcttcga ttgattgcta gatacgttat gagacggacc tgtttaaggg 300

gccgatccat ttctgaagct aacacacttt aagtcgttga tttgcctgtt atttgaagac 360

ctcgttgatg catctgctct ggttaataac agtgcattt 399

<210> 5571
<211> 357
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316078h10b1

<400> 5571

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gatggcgatt tttttattag gatcgatgga tggatgggtg gatttgtaca ttctttttgt 120

tgattaattc gtataggttt tactttgttt cattcgtgta ggaatgaaat ttcgaaaaaa 180

aaagagaata aaacatcaaa caataaaaaa aaattaaaaa aacaaaaaaa aaaaaaaata 240

ataaatttat aaaaaaatta tattagaaaa atatatataa cttatggggg gggccttctt 300

taggaatcca agttttttaa ctctggtagg ggacatttta ttttttttt tgggtct 357

<210> 5572
<211> 77
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316078h12b1

<400> 5572

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agaaagtttt tggggtc 77

<210> 5573
<211> 317
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316079a01b1

<400> 5573

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cccgttcacc catggccgnc gncttgcccg agttcttcaa gccggcggac gccttctccc 120

cgcgcctgca cctcctcgcc gccggcgccg gcgcagaagc ctccgacggc gacgacggct 180

actaccgctg ctgccggacg cccgcgggcg ccgggaccgg ctgcctgggc caggcggtca 240

cctgcccgcc ggcgccgtgg aagccgtgcg cgcagtccga cgcccgtctg tcggaagcgc 300

ctttttggcg tggaggt 317

<210> 5574
<211> 381
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316079a03b1

<400> 5574

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gccattcgtc aatggcggcg cctccgggat gctcggcacc tgcgtcatcc agcccatcga 120

catgatcaag gtgaagatcc agttgggtga gggatctgca gctcaggtcg caaagaccat 180

gtatgctaat gagggccttg gttcctttta caagggtttg tcagctggtt tactaaggca 240

agcgacctat acgacagctc gtcttggatg cttcagggtt ttgacaaaca aagcaattga 300

ggcaaatgat gggaagccat tgccacttgt tcacaaagct tttattggtc tgactgctgg 360

agcgattggc gcatgtgtgg g 381

<210> 5575
<211> 419
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsro9316079a04b1

<400> 5575

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caacgtgaag aacgttgctt aaggatctga agcgtgggtt tgttgcatcc aactacaagg 120

atgaccctgc caaggaggca gccaacttca cctaccaggt catcatcatg aaccaccctg 180

gtcagatcgg caacggttac gcccccagag ctggactgtc acaccttcca cattgctgtg 240

aagtttgctg tgctggtgac taagatcgac aggcgatctg gtaaggagct ggaggtgctt 300

gccaaggtcc tgaagaacgg tgacgcttgt attgagaaga tgattcccac acagcccatt 360

gttgtggaga ccttcggcac ctaccctgct attggtcggt tcgctgtgcg tgacatgag 419

<210> 5576
<211> 289
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316079a07b1

<400> 5576

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tggttcgccc cgcggtcggt tcgagagaga ggtcgagtag ctagaataga aaagggtttc 120

ggtagagagg aagggcgatc catggcggac acggagaacc gatggttcgt gggcggtctt 180

ggctggcacc acctactaca ccatcctcca gcaggctttt ttctcagttc ggcgagaccc 240

tagacgccta gatcatccgc gacctccaga cggggagagt ccgtggctt 289

<210> 5577
<211> 485
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316079a08b1

<400> 5577

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aagcccgact ggttcctgaa gatcaatcca gagggcaagg tgcccgtgta taacggtggt 180

gatggcaaat ggattgctga ttctgatgtg atcactcaag tcattgagga gaagtaccca 240

actccatcac ttgttactcc tcctgagtat gcatcagtgg gatcaaagat cttctccacc 300

ttcgtcacgt tcttgaagag caaggatgcc agcgatggct cggagaaggc gcttgttgac 360

gagctgcaag cactcgaaga gcacctaaag gcccatggac cctacatcaa cggggcgaac 420

atctccgccg tcgatctcag cctggctccg aagctctacc atctgcaggt cgccctggag 480

cactt 485

<210> 5578
<211> 510
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316079a09b1

<400> 5578

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gattgtcacg attcatctga tgcttcactg gtcttgagtc caagttcggc cgacagtgta 180

tcacaggaca tgaatcttga ggcatctcca gcattgggtg gtcagtatga agcccccatg 240

ttaggaggat caatggcaaa agctccaagt acaccttgga tgccctttc catgttattt 300

gcagctattt caaccaaact tcctcgcgag aaaatggaca tgatcaataa ctgttatgaa 360

gaattcaagg ccaagaaaat aagcagaatt gacctagtga agaggctgcg tctcatagtt 420

ggtgacagaa tgctggtcta cacaataatt cggctccaag ataaagtgcc ttcgatggtg 480

aaagcggaag cagcaaatgc tccagtcaag 510

<210> 5579
<211> 297
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316079a10b1

<400> 5579

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caagtgccac tctggggacg aaccccgtcg caatgacaac gtgcgtgatg gggactacta 180

gacggtgtac aagttcatgc ccggtgtcac cacccggggg cccaagatca gcgacttcct 240

ctgcaacgcc tagtaccaca acaacctttc caggcaacgt gggcttaaac tgcgact 297

<210> 5580
<211> 75
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316079a11b1

<400> 5580

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gctaggtggc gagct 75

<210> 5581
<211> 249
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316079a12b1

<400> 5581

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ggtttcatta cacgttcttc tacaagaagc cgatccggat tgtactggcc ggtctggact 120

tccgacagga caccctngac gactagcaag agctgtctac atatagctcg cttccaagga 180

ttgggtttgg aggagaggct ggtcgattcc caggaggaag aagaagctgc aagagcacgc 240

aaaggggga 249

<210> 5582
<211> 75
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316079b01b1

<400> 5582

acataattat agaaacctgt tgtattcaga ggagttgttg gtacataagt tataactacc 60

ttgtcgcttt gcact 75

<210> 5583
<211> 360
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316079b02b1

<400> 5583

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caagagacgg gaggaaatac tctaggcaag gacgatagag cttcccaagg ctttgttata 120

ggattttatt tattcatagc gttgagttac ctaactagct accccaacct tgtgcattgc 180

tcgagtgcct ttgatgcgga ctcatacatt ctgagttatg acattatatg aaacaatttt 240

acatgccaaa aaaaaagagc tatggatcct tacagaaaaa aaaaaaaaaa aagaaaaaaa 300

aaaaattact gaaactgtta caaatgtata agcatacgcc taccaccgaa agtcagacag 360

<210> 5584
<211> 385
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316079b05b1

<400> 5584

cccacttttt cgcccacgcg tccgcccacg cgtccgcgat caatccatca ccacccccag 60

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tgcatatctc gatggagtgc gagaacgggc acgttgccgc caacggcgat ggcctgtgcg 180

tggcacagcc ggcgcgggcc gacccgctca actgggggaa ggccgcggag gagctgtccg 240

gaagccactt ggatgcggtg aagcggatgg tccaggagta cccgaaggcc ggtggtgacc 300

atggagggcg ccagcctgac cattgccatg gtcgccgcgg tggctgccgg cagcgacacc 360

agggtggagc tcgacgagtt cgctc 385

<210> 5585
<211> 372
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316079b06b1

<400> 5585

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cctgaaggcc agctgcctgt gcccgtgcgc cgactcgccg gagcttggcg ttggaacgag 120

acacggagct tgcgggcttc cgggaacgtt acacgagctc ttagctgggt cttccggccg 180

gcttggtttg tttggccgtg cgcagcgcgc cgagtgacat gacgacgagc caggacgtgg 240

ttgtttcgga gatgggcatt ggggcgggtg gggcggccat gccgggctcc ggcgccgggg 300

gcctcttcgc gtgccgcagc gccgtcagcg ctcgagccat gaacatgcgg gagacgtacc 360

gagacctcgc cg 372

<210> 5586
<211> 502
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316079b07b1

<400> 5586

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catcactgta cggtatgtac actactcgat gagcctcgat catcagacca gatggatgcc 180

ttatattgaa taactcatcc ttccttcacg tcctaaacat tacagatacg tatcttgtgt 240

tagggaataa aacttttatg taatgtaagc caggaggctg ccaaacggcg ccctagcagt 300

ttgtgtacga gcgctactgt ggccgagcga gccatcacat ggtttgtcat gctaataagc 360

acagggaact gaatgacgac cttatattga ttgatgtgtg tgtgtgtgcg tgcgcgcgtg 420

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gatattcctt atttcctgtt tg 502

<210> 5587
<211> 503
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316079b08b1

<400> 5587

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ctccccagga ctactacagt tcattctaca ccaattcctc caaaagatca gaagtcttcc 180

caggttcccc aaaggattcc aacaggtaga ccaggaagag tggttggccc ggtaatacca 240

tttgagaatt catgtgctat ggatccttac agtcaacgaa gggtggcaag gaatccagta 300

cttcctgcag ctgctaccaa tgtatcagca tacgcatacc accgaaagtc agacagttca 360

gagagagagt tacagcagga gcttgaaaaa gaccgcatgc agtaccaacc gatgcagcgt 420

ttcatggatg ccaagatggt ctcccctgac ttgaggtcta ccttctatta catgccaaag 480

ggtgtcccaa aagcagatgt agc 503

<210> 5588
<211> 479
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316079b09b1

<400> 5588

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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120

aaaaaaaggg gggggggcta agggggaaaa aggaaatagg aaaaaaagat aagaaggaat 180

taatatttta atgggggggg gggtttttgg gggttaaagg ttttgtttgg gggggtggga 240

cggtttaatt ttttttgggg gggcacttaa tttgatttgg gggggggggg ttttaaaacg 300

gggggtgggg gaaaacgggg gggtttccaa tttttttttgt tttgaggaaa ttgtcctttt 360

tgggggggggg gaattcggga gggggcggga attgaggggt ttttaaaaag tggggccacc 420

ttgttgggga agggggattg ccttgggggt ggtcttttgg gggggggggg gggggggggt 479

<210> 5589
<211> 473
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316079b10b1

<400> 5589

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ggtggggctg gtgagcgcgt accgatacga agggcccaag gtgagcgacg acacggtcaa 120

ggcggaggcc aaggcgctgg gcgcggcggt gaagagcgcc gccggcggca agctggtgga 180

gaacgacgag gtggtcagga tcctcaccac caggagcaag cctcacctcg tccagacctt 240

caagtactac aaggagctgc acggcaagca catcgaggag gatctgggaa gcgaggaggc 300

tctgagggag accgtgcagt gcctggcgac gccggagagg tacttcagcc aggtgatggc 360

ggcggcgctg aaggagggcg cggaccacca ctggaaggag gccctgtacc ggctggcggt 420

gacgcggtcg gacgtggaca tggacggcat caaggtgggc taccatgagc agt 473

<210> 5590
<211> 262
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316079b11b1

<400> 5590

cccactcgtc cggatctaga tcgcgagcga ccgcccggaa ttttttaaca cctgtagaga 60

ttatttcaaa agccgaaaca ccttttttcgg ttttagctta cgtgatttaa gacttctttg 120

caaatcttga aggagtgcga gaacgggcac gttggcccca acggcgatgg cctgtgcgtg 180

ggacaaacag ggcgggccga accgctcaaa cggggaaaag gcgtcaaaga aatttgcgga 240

aaccacctgg atgcaaataa ac 262

<210> 5591
<211> 333
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316079b12b1

<400> 5591

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tggccacggc ggcggcggcg aagcggaagc cggtgttcgt caaggtggat cagctcaagc 120

ccgtcaccag cggccacacg ctcgtcgcca aggtgctcag ctccaagacc gtcctccaga 180

aggcccgcgc cgctggcggc cccggcccag ccgccaagcc caccaggatc gccgagtgcc 240

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ttgaagcctg gcaacactgt cattatccgc aat 333

<210> 5592
<211> 432
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316079c02b1

<400> 5592

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agcagctagc tggctagaga tcagcgacgt tccttccggc catggcgagc accacgcgca 180

aggaggaggg gccggacaag cagcagcagc agggggcac caagctctac tccaggatgc 240

tctccaagga cgtggccatc gccgagccgt ccttccgggt gtactacggc gtcgcctcgg 300

ccggctccgt gcccttcctc tgggagtcgc agccgggcac acccaagagt ttgtcctccg 360

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gcttcaaaag gg 432

<210> 5593
<211> 262
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316079c03b1

<400> 5593

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aatgataaag gagcatattt caggtagcat atcctaacag gactggtgat attaaaaaac 120

taggatagca agagcagtat ggcaaccggc agatccaccg agcttaatcg atctcctgga 180

gcgaggcgcc ggtggccgtg gcacccccag cggcggcggc gacgtcctcg gccgtgaact 240

tgcccttggc cttgtcagca gc 262

<210> 5594
<211> 422
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316079c04b1

<400> 5594

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gaagaaaaag cttaagagaa cgaatagaaa gaactagttg cgcagcagaa catgtacgct 180

caattgcttc ctctggcctt gcctgctccg cccggcatga agggcggtcc accttcgatg 240

ggcggaatgg gcatgccgcc gatgggcggg atgggtatgc ctccgatggg tcctggtcca 300

atgccagcat acgggatgcc tccaatggga agctactgag tcaaccaacc tctgttgtat 360

gaatttgaag agtacagatg atgtgaagta tttccagatg acgcaaaggg agggagacaa 420

tc 422

<210> 5595
<211> 314
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316079c05b1

<400> 5595

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tttgatgtag tccatattct gttgtcgtaa gtctagtaga agctggtgaa atttatttaa 180

agatcaattt cagtgggaaa ttaggacgat tgatgaaata agaacccaac tataattata 240

tagaatggag atttaggatg acaattgtaa agacctaata ggacatgtta aaagaacata 300

agaataggat aagg 314

<210> 5596
<211> 275
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316079c06b1

<400> 5596

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gtctccagat tcttttggag ctggggcttc cttaatctca tcaacgtcat cctcattggt 120

gtcggatgtc catagagtca aattgtcacg caggagctgc atgattaaag tgctgtcctt 180

gtaggattcc tcgcctaagc tgtccagctc tgatatagcc tcatcaaagg cttgttttgc 240

aaggttgcag gcgcggtcag gggagttcac gaaaa 275

<210> 5597
<211> 442
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316079c08b1

<400> 5597

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acaagcccaa gagggcgccc tccgccttct tcgtcttcat gggcgagttc cgcgaggagt 120

tcaagcagaa gaaccccaag aacaagtccg tcgccgccgt cggcaaagcg gccggtgaga 180

ggtggaagag cttgagcgaa tcggagaagg ccccctacgt ggccaaggcc aacaagctca 240

agggcgagta caacaaggcc attgccgcct acaacaaggg cgagagcgct gctgctgctg 300

ccccaaagaa ggcggtggcc aaggaggtgg aggaggaaga tgagaaggag tccgacaagt 360

ccaagtcgga gatcaatgac gacgacgatg atgagggtag cgatgaggac gaggacgacg 420

accagtgaag aagacgcatc tt 442

<210> 5598
<211> 422
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316079c09b1

<400> 5598

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gtgagaaggg gtggattgag gttaagaaac agtatgctgt gtttgatgcc aaggttctga 120

gcaaagtgcc gaggggcccc ttgaaagaca agaagaacta gaaacgagtg ataccgtgtg 180

ccatcggtat ggaatgatgg cgactggttc gtggctgccc ttgtggtatg agcaccaaat 240

ttctcaccag ttgtcttgtg ttatgtgtaa gactgttttc gttgtttgcg actttgatga 300

gagtagcctg ggtagcttac ccttcacagt aatgcagagg cagcacttgt ttcgctgtac 360

cgctgtttga tttttgatct gttaaggtgt cgcatgggta ccggttctag acgctgattt 420

tg 422

<210> 5599
<211> 428
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316079c10b1

<400> 5599

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atgatcttct tgattacaca ttaagtttca acccaaggaa gaacagcata tccaaacgcg 120

tggagaagcc taccatgaaa ctgacggttg atgctgagac cgatgaggtt atcggagcag 180

ccatgtgtgg accagatgca gctgcaatta tgcagggcat tgttgatgcg ctcaaggctg 240

gagctaccaa ggcgaccttc gacagcaccg tcggcatcca cccttctgtg gaggatgagt 300

ttgtgacgat gcggaccttg accaggcgcg tgagcccgcc atccaagcca aagacgaact 360

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<211> 400
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<223> unsure at all n locations
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<400> 5600

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aggagggaga gggacgcgga ggcggagctc aacctgccgc cgggcttccg cttccacccc 180

accgacgacg agctcgtgga gcactacctg tgccgcaagg cggccggcca gcgcctgccc 240

gtgcccatca tcgccgaggt cgacctctac cgcttcgacc cgtgggcgct ccccgaccgc 300

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ggnttccgcc ccaaccgcgc cgncggcaac ggatactgga 400

<210> 5601
<211> 401
<212> DNA
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<223> Clone ID: uC-tsro9316079d02b1

<400> 5601

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gaggttgatg tgtgctgctc agatggaacc tttgccaggg ccgctgttcc cagcggtgca 180

tcaactggtg tttatgaagc tttggaactg agggatggtg gatctgacta cttgggaaag 240

ggtgtatcca aggctgttga caatgtgaac tcgattatcg cgccagcttt gattggcaag 300

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<210> 5602
<211> 141
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316079d03b1

<400> 5602

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<210> 5603
<211> 457
<212> DNA

<213> Triticum aestivum

<223> unsure at all n locations
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<400> 5603

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ttctctgttt atcttcgtac cagcatctat actgctactt attcctgtgg aatttcttcg 180

ctgggtcatc atagctggtg ctggtggtgc atcatcttgg ttcatctttt taaacttgaa 240

ggaatgcacc naaggagctg atatgatggc tctgatcgca agtgcatcag tgctgcagtt 300

tgctctggca ctgttcatca aagttttctt ttttgcctga ganctattcn tgggtgcttc 360

aggtgagctg gatgttttct ttgtgtcccc gtcgttctgt tctgccattc atcttttctg 420

aagaccaggc agtggactag tttcacccta catacat 457

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<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316079d07b1

<400> 5604

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ggagacgggc ctcgacaagc tccgccgggc cgccgccacc caacccctcg ccatcaacac 180

agctgcaggg gaggcgatta agcagtcgcc gtcgatgccg acgaccccga ccacgccggt 240

gacgccgtcg tcgtccacgc cgccgcgcgg cggcagcgtg tggcggagcg ttttccaccc 300

cgggagcaac ctggccacca agagcctcgg cgccaacctc ttcgaccggc cgcagcccaa 360

ctcccccacc gtctacgact ggctntacag cgacgagacg aggacaagga gcaaccaccg 420

cttaataaga gccgtcggcc agagaaactg aggcagggt 459

<210> 5605
<211> 428
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsro9316001a01b2

<400> 5605

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gtgaacacca gggaggacgt ggcctggtac ggcggcaaga ggatggccta cgtctacaag 180

gccaagacca agagcaacgg cacccactac cgctgcatct ggggcaaggt ctctcgcccc 240

cacggcaaca ccggcgtcgt ccgcgccaag ttcacctcca acctgcccgc cgaggccatg 300

gggaaaaagg tcagggtctt catgtacccg agcagcatct aaaaggttac tttgaagtgt 360

ggaggatttc gctcgcccct taggtttcaa ttcagagtct tgaagaagga atcaagcccg 420

gatagcaa 428

<210> 5606
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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316001a02b2

<400> 5606

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aaaac 65

<210> 5607
<211> 329
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316001a03b2

<400> 5607

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gtcgaccttg ccctagtggt gtgctgatgc aacacggccc gaagaaatat aaagagtatg 180

tttgtacctt tgaatattat agagcgtgca ccgagcaagc gtgatgatca aatcaaacca 240

gtcgcttcag gcgctagatt ttgatggatg tttgcttgta gtcatgtgcc ctccaattca 300

ggcctacttg gtgtgcaatt tttgcacac 329

<210> 5608
<211> 184
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316001a04b2

<400> 5608

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ccctaagcac gcctgagtat gcccgcgccc cacaagaaca ccgtatcgca ccccaactaa 180

ctgc 184

<210> 5609
<211> 465
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316001a05b2

<400> 5609

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tgaagaaagc tttggcacgg gttctgacca catccgtgaa aaggatggta tttgggctgt 120

tctagcttgg ctatctattc tagcttacaa gaacaaggac aaccttggag gagataagct 180

tgttacggtt gaagacattg ttcttcagca ctgggctacg tatggtcgcc attattatac 240

acgatatgac tatgagaatg ttgatgcaga agctgccaag gaacttatgg ctaacctagt 300

caagatgcag tcgcacctgt ctgacgttaa caagtcgatc aaggagatcc agcctactgt 360

tgcagatgtg gtatcggctg atgagtttga gtacaaggac cctgctgatg gttctgtctt 420

caagcatcag ggtatccggt ttctttttga gatggtttcc gactg 465

<210> 5610
<211> 54
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316001a07b2

<400> 5610

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<210> 5611
<211> 296
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316001a12b2

<400> 5611

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gcgttcgccg gcgggaaggt gtgggtggtc tacaggttct acggggacgc ggagctcgac 180

gatgtgcact cctacgaccc ggccaccggc gagtgggccg tggtcgacac caccggcgac 240

aagcccaccc cgcggagcgt gctctgcgcc gccggggtcg ggaagcacgt ggtggt 296

<210> 5612
<211> 204
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316001b01b2

<400> 5612

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gatttgaaaa atgatgatct gttatattta aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120

aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaacaa aaaaaaaaaa 180

aaaaacatgg gggggccctt ttaa 204

<210> 5613
<211> 461
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316001b02b2

<400> 5613

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gcgcccgcgg gctccaaccc ctacgtgctg tcctcgccct cctccggacc gcccgccaag 240

agcaccaagg agaatctgag ggagatgttc ggctcggtgg ggaagaggtt cagcgaggcc 300

gcgcgcaaga ccgagggcat cgccggcgac gtctggcagc acttgaaaac tgggcctagc 360

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tacgacaaga tattccagca gacgtttgag tgcttgcctg a 461

<210> 5614
<211> 481
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316001b04b2

<400> 5614

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ccgcgcccgc gccgtggacg gcgtcggccc cgtggcatgg gacaacaacg tggccaggtt 180

tgcgcaggac tgggcggcgc agcgcgccgg cgattgccgg ctgcagcact ccggcgggcc 240

gttcggcgag aacatcttct ggggttccgg gcagtcgtgg acggccgccg acgcggtgaa 300

gctgtgggtg gacgagaagc agaactacca tcttgacagc aacacctgcg acgccggcaa 360

ggtgtgcggg cactacacgc aggtggtgtg gcgcaagtcg acccgcatcg gctgcgcgcg 420

cgtggtctgc acggtgaacc ggtgcgtttt catcacctgc aactacaatc ccccgggcaa 480

c 481

<210> 5615
<211> 251
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316001b06b2

<400> 5615

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gacatcactg cgtttgtgcc tattactcat acatgggtat ggcggagatg tataaattag 120

caaaagaaat agcgctccaa attgattgcg ctggaaaaaa ctgaatgccc gactacaatc 180

gatggtagaa catcagaacc gagatgccag cctgacgggg aacgatagaa gaactgtcgc 240

atccgcgtgg c 251

<210> 5616
<211> 472
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316001b11b2

<400> 5616

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gaaaatggcg accagcgcca ccttcctcca cctcctcgcc cctccgggcc tccgccccaa 120

gcccatactc cggccccgcc tccgccgcct cgccctctcc gtctcccccc cgggccccga 180

cgagatcccc gccgacgacc cgcccgtgct cccctccatc ctcgtcaaga acaccgagcc 240

cgaggacgtc gcgcgccgcc ggagctgggt cgagcacggg tgggcgccct gggaggaggc 300

gatgagcccc gaggtggcct tcgcgcgcca cagcctgaac gagggcgagg aggtgccgct 360

cacctcgccg gagtccgtcg aggcgttccg catgctcacc ccggcctacc gcgagaaggt 420

ggagtccgag ccggggtacc tcgagcgcct cttcatcatg cgcgagacgc cc 472

<210> 5617
<211> 319
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316001c01b2

<400> 5617

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gaatgtgtgg ttggtcgacc ggcacgagaa ggctgaagca aggacgccaa gagcggggat 120

accagcaggc aacccaaagg gcggaacacc aacaggaaac ggcgcaaccg gcgccgaaag 180

cgcagccgag gaaagccaac aaaacaacgg caccgtccga ctcagcaggg taatgcgcga 240

gaaccccagg cagtgggttg aacatgccag agcttggaaa cacaagctac acgagacacg 300

gaggagaaag cggaaggag 319

<210> 5618
<211> 468
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316001c02b2

<400> 5618

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ttcattaact aatcaatttg cgattgattt tgactagcag gtggtgaagg atgggtacca 120

atggcggaag tacgggcaga aggtgaccaa ggacaaccca tgcccaaggg cctacttccg 180

gtgctcgttc gcgccgtcgt gccaggtgaa gaagaaggtg cagcgcagcg ccgaggacaa 240

ggccgtgctc gtggccacgt acgatggcga ccacaaccac gcaccgtcgt ccaagcaaca 300

aggccctagt ggcaggaaga gcggcgacgc aaccgccgtc cgcgcaccac cggcgccggt 360

gcttgttcag cagcagcgga agcaggaagc ttcgacggcg gagcaagtgg ccgacaggaa 420

gaaccttgtg gagcagatgg cggcgacgct gacgagggac cccgggtt 468

<210> 5619
<211> 260
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316001c03b2

<400> 5619

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catttgtttt accctgaacg atgtatgact gtcgcagttc tgtcatttgc aaaactataa 180

tgaatggaca gccctatgtt ttgcaaataa aaaaaaaaaa atttaacctt aaattacaaa 240

acttattatt ctttcactct 260

<210> 5620
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<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsro9316001c04b2

<400> 5620

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ggcgcccctc ccgattggct tcgccgtgtt catggtccac ctggccacca tccccatcac 180

cggcaccggc atcaacccgg cccggagcct cggggccgcc gacatctaca acaaggacaa 240

ggcctgggat gatcagtgga tcttctgggt cggccccatg aatcggcgcg gcgatcgcgg 300

ccttctacca ccagtacatc ctcagggccg gcgccatcaa ggccctcggc tccttcagga 360

gcaacgcgta acaagttatc atccatgtga cccgcacgca agattgaagc aatggcgacc 420

cgtgctgggg catccatcca agagacatgc ctattgc 457

<210> 5621
<211> 195
<212> DNA
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<223> Clone ID: uC-tsro9316001c06b2

<400> 5621

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gaaataaaat tattacatgg tcaaaaaaaa taaagataat caataacatt gacttccttt 180

tcttggtgaa caact 195

<210> 5622
<211> 417
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316001c11b2

<400> 5622

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gtcgtgctcg gcgtggctcc tgagaacaag gcggggcagt tcgaggtggc cgccgggcag 240

tccggcgagg gctgcagctg cggcgacaac tgcaagtgca acccctgcaa cagtggaggt 300

ggatgcacta cttcgtgcct acgagagaag gtgtgagagt atacttgaat aacgagcgtg 360

tgatcctgag gagtcgagca agggtgcgtg tgcgtgagat ttggttgctt gctctcc 417

<210> 5623
<211> 452
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316001d01b2

<400> 5623

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tcctcaagat cggcgccgtc ggcgcctgca gggtggccga cgaggacgcc ttcgactgcc 240

tccaaagtgg gagtgtctcg aagcgcaagc ttgagcagac actgaagaaa atgtgcaagg 300

agggcgcata ttggggtgct gctgctggag tgtatgtagg catggagtat ggagtggaaa 360

gggtccgtgg tcagtatgac tgagaaaatg cgttgattgg aggcatcaca agcggcgccc 420

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<210> 5624
<211> 265
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316001d02b2

<400> 5624

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cgaacgcaaa ggggggcggc cgttcaagag gccccaggct aacccccgcg accaggccga 180

actcatagct ctttaatagg gcccccaaaa gcaaaacaac gggccggcct taaacaacga 240

ttggccggga aaaacccggg ggaac 265

<210> 5625
<211> 310
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316001d03b2

<400> 5625

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gctgcttgct acagtagtaa ataggcgtat gtatatattg atgatgtttg ggtacctgta 180

cgaattgatg caattcagca attgttactt ttagcagcag caacctttc gcttaaaaaa 240

aaaaatccaa aaggaaaaaa tataaaaaga caacagaaca aataaatata aaaaatataa 300

taaatataag 310

<210> 5626
<211> 235
<212> DNA
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<223> Clone ID: uC-tsro9316001d05b2

<400> 5626

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attcagttct gctggctgtt tagtcaaggg tatctttgta cttggtgcca tggatgtttt 180

tgttatgtta ttccccccta aaaaaaaaaa ataataaaat ataacaaata ataag 235

<210> 5627
<211> 55
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316001d07b2

<400> 5627

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<210> 5628
<211> 417
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316001d08b2

<400> 5628

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caacagatca gctggcccgc actggacgtg ttatttatgt gtcggcagca gcatatgctt 180

ccagcgagta cgtggatggc cttcatgtgc ccggccctgc gtgccgggac ttgcaattcg 240

gtccatggga tcgctgtgtc tcaattaggc cgcattgctt ttcctactgt atttaaatat 300

ggcgtccata tgatcgaacc atcgtcagca cctttctgta tgagctatga attcaccaag 360

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<210> 5629
<211> 591
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316001d09b2

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gaacctggca aacaggtctc tggttgacga cacgcttaga aaagtgaacg ggctcaagcc 180

aatcgcttcg gagcttggcg tctcgatggc gcagctgggt atcgcctggt gcgcgtcgaa 240

ccccaacgtg tcgtctgtga tcactggagc caccaaagag agccagatcg tcgagaacat 300

gaaggccctg gaggtcgtcc cgctgctgac cccagaggtc ctggagaaga tcgaggcggt 360

cgtccagagc aagccgaagc gcctcgagtc gtacagatga agcggtcggt cggtcggctt 420

cgtcagctgt gcagcgtgtg ccccgccgcc gcccggtggg atttttttcag tacccggttc 480

ttcgaaaaac catataccga acgtcctgtg tggtcggcgt gcccagcggg cgaaacattt 540

tgtcgagtgg acctgatgat gaacggtggt cgtacagaca atgctttaat g 591

<210> 5630
<211> 431
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316001d10b2

<400> 5630

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tatgtgccca gaaacttgtc tttctcgctt gttcagtgta gattgtaatg tcgtcgtggt 180

tgctggtaat tggaggctcc aatttgtgct gtgataggga agcttgtagc tgccttgctt 240

gctcggcggc ctgattatcg ggctgcactg gttattgcct cttgttgaac ctttgtgtta 300

cttttggtgg tatctagaaa ttttctgctg ctcttgtttg tgacccctg cctttgtatt 360

cactagatga ccagttgcgc caatggcgca aaggccgaga gtaagccatg tttttgaaga 420

atgtacattt a 431

<210> 5631
<211> 474
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316001e01b2

<400> 5631

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ggatgggttg ctacactgag aggtgacatg tacagtcttg gcatggtgct acttgagctg 120

ctcactggaa ggcggcctgt gctggtcttg tttttatcaa aagaacttag tgaactgtgt 180

acaggagatg aaatcagaag ggaggcagat tgaggtcctg gatactacac tccggagcac 240

agggtatgaa gagcagatgt tgaatgtgct cgaagccact cgcaagtgtg tacactataa 300

tcctttactg aggccaacca tacaggagat agtgttcttt tctgaaagtt tagacgccaa 360

gcttgagaca cgaaattcag ttcagataga aagaggttag acttgattat ttggaagtca 420

attgcacatg gcagacgtag ctttcaatta actagtactg ttaaatttat actt 474

<210> 5632

<211> 441
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316001e02b2

<400> 5632

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cctagcctcc tcctgcgcgc gccgccgccg ccgccgccat gtcagggagg aagaagaccc 120

gcgagcccaa ggaggagaac gtgacgctcg gccccgccga ccgcgagggg gagcacgtct 180

tcggcgtcgc gcacatcttc gcctccatca acgacacctt catccatgtc acggatctgc 240

ccgggaggga gacgctcgac cgcaacaccg gcggcatgaa ggacaaagct gatcgagatg 300

aatcatcccc taatgcagct atgcttgcaa ctcaggatgc cgctgtaaga cgcaaggagc 360

ttggaatcac tgctctgcac attaagctcc gtgctactgg tggaaacaag acaaaaactc 420

caggtcctgg agcacaagct g 441

<210> 5633
<211> 345
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316001e04b2

<400> 5633

ctcccatgct tccaaccagg gcggttttta caaatggttt tttatcctcc gctcatgccc 60

tgtgtgtcgg caacatgtgc agcgtatata ggaatacatg cattccttac aatcgagttc 120

tctgtcctag aaggaattaa ttatcgcaaa tactctgctc tcatacaacg taaaaaggga 180

gaggagagag agcaagcgga tctgtacaca ccgagtactc caagcaagcg gatctgtaca 240

cacccgcgac tccaagcaag tggatctgta catctgacac atgatcttac attctgcgga 300

aaatgatgag tggaaacgcc tgtcatagaa tgaatccaat acatt 345

<210> 5634
<211> 308
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316001e07b2

<400> 5634

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cctgaagttt aagactgatc aagctcagga cgcatagaag atggagaagc ttaacaacat 120

ctttttcgtt ctcatgacta gtggacctga tgctgatatc cgcgaggttt cagggaagga 180

acacgcggag cagtagctat caaagaaggg acggtgcagg aggcagtagt atcatgttct 240

gggtttcttt cagaatgatc acaactggga gtggtgggtg gacattctga tcgactcctg 300

ttagccat 308

<210> 5635
<211> 377
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316001e09b2

<400> 5635

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tcagnccacg gtgcactgct taaataatta gcacaccgtg cgtgataatc atctccctct 120

ccttctcttc tcaccattac atacatacat atactaatta atcaacaacg cacacagcaa 180

ttaacacaca tacgaaaacg gaggctatga cctatacgta cgtacgtaca aagtgcccgt 240

atatgcgctt gtgtatgcac gtacatatgt acaggctgct ggtatatata aggaaagtgt 300

atactgcata tagttggatc gtcggtcggc ggtggcgaag gcgattttgg tagatggata 360

gggtggctac attcttt 377

<210> 5636
<211> 357
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316001e11b2

<400> 5636

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ccgacccctt caccgggatt ggattcggag cccagctcat ccgccggcag ccgagccatg 180

ggcacggatg tggatgctcc cgcagttgtg actgacaagg aggtggttgc tgagaacatg 240

ttgggtgaca agaaagtcac agtagtattt gttcttggcg gtcctggaag tggaaagggc 300

acacagtgtt ccaacattgc tgaacacttt ggattcaccc atcttagggc tggagat 357

<210> 5637
<211> 484
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316001e12b2

<400> 5637

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gtgctgcaac agcttttctc ttcaaagaaa tagctcgaat tcataacctt cccgtccagg 120

aatttgttgt aaggaatgat atgggttgtg gctcaactat cggtcccata cttgcttctg 180

gtgttggcat acggactgtt gattgtggta ttcctcagct ttccatgcac agcgttcggg 240

aaatgtgtgg caaagaagac atagacacga catacaagca cttcaaagct ttcttcgaga 300

tgttctcgga cattgaccag aaactgaatg tagattttta ggtcttgaca tctgaatgtg 360

cagcctctta ataatgtatg gatattcagc tcggtctctg aataatgtct tgatcattgt 420

atcagctttt gttgcatatt caatctggtt aagacaagag cactggctct gaaatcattt 480

tcca 484

<210> 5638
<211> 188
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316001f01b2

<400> 5638

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gagatccggg actcgacgcg gaacggcgtg agggtgtggt tgggcacgtt cgagagcccg 180

gaggcgga 188

<210> 5639
<211> 461
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316001f02b2

<400> 5639

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tgcttctccg gccgcataca gggcctccac atcggccgcc tttgctccac ctacttcgtc 180

ccgtcttcca agggcgggta caccttcacc gcggggtacc atgagctcgc cggctcgaaa 240

gtgactctca agaagcccct tctggtgctg aggaagaaga agaacgacaa ggtgaacccc 300

ggcgagctcg gacaaggtgg acaggcggcg gcggcggctg acgtggagct ggaggtgatt 360

ggcatcatcc ggcacaagaa cctcttcaag gaccgtccca aggcccctat tcaaagccgg 420

tgccgtatga aaagaaggcc atgcctgaag cggcgacccc a 461

<210> 5640
<211> 427
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316001f04b2

<400> 5640

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tccatagatg tgcatctgat gacttccatt tctcgttttg gttaggagtt cccacgatgg 120

gatggttaca aacttaaagt ccaagtgact ataaaagaaa caacaaaaac atagtaaaat 180

gtataaaatt acgcagcttt ccccccacca ctggcggggg gttttggagc tgacccctta 240

ggaaaacaat tcttcgattg tttgctagat acgttatgag acggacctgt ttaaggggcc 300

gttccatttc tgaagctaac aaactttaag tcgttgattt gcctgcgatt tgaagacgtc 360

gtagctgcat cctgctttgg ttatttcagt gcatctgcgg ctgtttttat tgcaacaaaa 420

aataaaa 427

<210> 5641
<211> 475

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316001f05b2

<400> 5641

acctttgaa ccctacccac ctgagcgtaa actaagggga cctttcaaac tactaccttc 60

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aaacagtcaa cgccagggga ggcacctgcg ccgcccgcac cccgaacgtg ctccagggct 180

tgcacgaacc agcaaatacg caaaacctac acatgccgcg gcacaaaaga ccggcgtccg 240

cgacaggagg agagactttc gaagccgaaa ctcgagagct cccgcgcctg gattgctctc 300

ggcagtcgcc cagggtagcg caagcagcta aggatgctcg gacgaaacaa agcaacaacc 360

agaacaggcg gcataaacca cccggcaaga gaagaaaaag gcccccaagg gaagaaccta 420

cccaaaagac gccatgccgg aaggcaaagg gcccccgaag cggaaaacat tccca 475

<210> 5642
<211> 316
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316001f06b2

<400> 5642

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agaccttccg gatcaagcag aagctggcca agaagcagcg ccagaaccgc cccatccccc 120

actggatccg catgaggacc gacaacacca tcaggtacaa cgccaagcgc aggcactggc 180

gccgcaccaa gctcggattc taatccgggg atgacggcga tgacacccgt tgctgccgac 240

gggagaaggg tctagggtac ctagggttta tgacgtctcg ctgtttttgc acgctagcaa 300

gtgactccgg gatgcc 316

<210> 5643
<211> 219
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316001f07b2

<400> 5643

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ctccctgatt gatgtgtaaa ctcagagctg taatggagaa atgaacacta tgtgagattt 180

cagatttata tgctgtacaa gtggccttac cctgctgat 219

<210> 5644
<211> 206
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316001f10b2

<400> 5644

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taccaaattc tccgccagat gctgctcccg gcatcctgat tcgaacttcc aacttcacaa 120

acgattctat atgatgcctt gtggcgccga ttgcctctaa aaaaaaaata aaaaaaaaaa 180

aaaattaaat aaaaataaaa aataat 206

<210> 5645
<211> 437
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316001f12b2

<400> 5645

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tacaaattat taggtcgtgc ttttcggctt ccttctgtct ccttagcttt ccccatttat 120

tgcaaccttc tcaaatctca agattccaac tggtcaagga agtgaagaac aaggacagaa 180

ggacatggat gccttaagtt caatgctcga caaggcgaaa gacaaggtga aaagcaaccc 240

tgatgtgatg gagaaagtca attcggtcct cgacaaggtt aagaaccacc cagaagtcat 300

ggagaaagtt gctgaggttt tacatctggg aaaacgtgaa tccaaagaga aagaacccga 360

ggccgaggac aagacaaaag aaggcgagac ctttgccgac aagacccaag actcaaacat 420

cctagaccag tccgtgg 437

<210> 5646
<211> 503
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316001g03b2

<400> 5646

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tggtttcggg gtatgcaccc caaatggttc ccgggaatgc cagtgtgcta aatgctaatg 120

gttctaatgc ccctaatgga agcttgcctt cccatagctg gcctaatcta ggttatcaga 180

accctgcatc tatttcagca gcagcaccac aaaatggtgt cgccaaggct gggaacaaca 240

atcaggactt cttttctggg aacttcggtt ttggttcgcc cggcatgcca gcaaatgggt 300

ccacaaccgc aggtgctaac aagagcgcat acacccctac cttttgtacc ctgccctttt 360

aatcaagcat agagtacgat ttttcctcat taacgcaagg aatgttttcg aagcgattaa 420

tggcttgaaa tactcggaga tggatgaggc cttcataggg cgcagattta gggagaacgt 480

tgggggggcgc ttgtacactg ttt 503

<210> 5647
<211> 339
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316001g05b2

<400> 5647

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catggacggc gacagcccgg cgatgacgga cagcgagcgg agggcgaacc ggtacgtgca 180

ggcgcccaag gtgcatggcc tgggcggcat gaagaactac atggaccaaa cgacatctct 240

cttaagcctc agctacgccg gcgcgggggg cagggccgtc gaccactcgt gcgactgcgc 300

gccaaccacg cacccgggct ccttccgctg caagcacca 339

<210> 5648
<211> 470
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316001g06b2

<400> 5648

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aggccggcgc cgagtacgat ttcgtgccca tgagcaggaa cggcggcgac caccggctgc 180

cggagcacct cgccagaaac cccttcggcg agatcccggt gctggaggac ggcgatctga 240

cgctctacca atcccgtgcc atcgcaaggc atattctgcg caaatgcaag cccgagtttc 300

taggagcggg cagcctcaag gagtcggcga tggtggacgt atgggtcgac gtggatgccc 360

accagcttga gcccgtactc aagcccattc gtgtttaact gcatcatcaa cccgctcgtt 420

gggagggacg tcgaccaggg cctcgtcgat tgagagcgtc gagaagctca 470

<210> 5649
<211> 488
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316001g08b2

<400> 5649

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ctcttctctt cctctctcgc gtccgatggc ctcgagcccg ggcgtcggcg gcggaggggc 120

ggacggcggc ggaggggatg gaccgacgac gctcgacgag ctgtaccaca tcaacgtcgt 180

gccggccgag ctgcacttca agttccgcaa ggagctccag ggcctccgcg tgggcctcaa 240

cttcgagttc tacaacctag aggtgaatga ttttgaggca aaggtagttc tgaagccccc 300

ggactttgac cggaagtgga agttccagta caagcccatc agtggtgaca tacagctgct 360

ttccaagaag ataccagtca caaaatatct caaccttcag gtcggcattg gtcacaattt 420

ccaactgaag gcaactggat ggacgtggaa gctctctact gcttgggggg agatggtgtt 480

tttcagat 488

<210> 5650
<211> 423
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316001g09b2

<400> 5650

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cactggctga cagcttcgcc gtgtctgcac tcctatggat ttgaccctcc acgctccaca 180

gaacacggag gctgctgcag cagttgcttc ctgaagaagc gcacgatcaa gagcactgtt 240

tcctcaggca catttgaaga gacaacggtc tttgtgcatg gcaaactttg atgatgagga 300

gatgaacatg tcaacatttt ccaagaggtt cggttattca aactacctca tcaactctat 360

ctcgaatgcc gtttctaagg gcgcccgctt gatgtcaccc tgggtcaaga agggcgtcca 420

cca 423

<210> 5651
<211> 74
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316001g10b2

<400> 5651

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atctgtcctc aaaa 74

<210> 5652
<211> 440
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316001h01b2

<400> 5652

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gctccaggag aagctgcccg gccacaagga caccgagggt gagcacgtga cgggcctacc 120

cgcaccggcg gtccccgcgt ccgtgcagac ccaccatgac accgacgtcg tcgtcgagaa 180

gatcgacggt gacgtgaaga cagaggcgac accggcagtg cccgaggagg agaagaaagg 240

cttcttggaa aagatcaagg agaagctgcc cggcggccac aagaagcctg aggacgctgc 300

tgcggtgccc gtcacgcacg ctgctccggc gcccgtcacg cacgctgctt cagcaccggt 360

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ctgctgggaa gatcatggac 440

<210> 5653
<211> 178
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316001h02b2

<400> 5653

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tgccaacatg atctgattat ctcatcgttt atctgaagtg attcgatata ttaaaaacca 120

aaaatacata aaaaaaagaa aacataacaa aagaaaaaaa aaaagaccaa caccaatg 178

<210> 5654
<211> 373
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316001h05b2

<400> 5654

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tcagtcaggc tcacgaccgt cgcgtgcgcg gctgccagca tggtgacgcc catgaggacg 180

ccctccaggc ggactgcccg ggcgcgcgcc tctgaggaga cagagatggc tctgcggtcc 240

gagacgggcc tctgcatgct caggaggggc aaggaacact gccagaggcc gaacggccgc 300

cgggacggca ccatgtccaa cacctacgag ccggtcaagg tcctgggccc gccgacggcc 360

aacctcagcg acc 373

<210> 5655
<211> 464
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316001h06b2

<400> 5655

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ccgctcaggc tcatgtccgc cgcgcgcgcc tcgcccaaga ccgggctcga catgccggcc 180

gccgcctgga ggaaggcctt cgcgcgcgcc tacaaggcca tggacaagga cctccgctcc 240

caccccgccc tcgacagctt ctgcagcggc agcaccgccg tcaccgtcct caagctcggc 300

acggaccttt acatggccaa catcggggac tcgcgcgccg tcctaggctc cagagacgcc 360

gccgccggcg gcatggcggc cgtgcagctc accgttgacc tcaagcccga cgtccccagc 420

gaggcggagc ggatcaagaa gtgcaggggc agggtgttcg cgct 464

<210> 5656
<211> 366
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316001h07b2

<400> 5656

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ccacggagcg cacggccacc cagcggggcg cagggtgcgg gactcgcggc cgcgcaggct 120

catggacgac gcgcgcgcca aagccaagac cgggcgtcga cactgccggc cgccggctga 180

aagaaggcac ccgcgcgcgc ctacaagggc aacgacagag acactggctc ccaccgcggc 240

atagacagca gatgcagcgg aagacacgaa gtcaccagct cgaagctgcg cgcggaccac 300

caccatggca caggggggac cctggcgccc ccctaagagc gagacgccga cagggccgta 360

tggcag 366

<210> 5657
<211> 510
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316001h09b2

<400> 5657

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gtgcacgagc tgaggggggaa gaacaaggcg gagctgcagg gccagctcaa ggacctcaag 180

gcggagctct ccctcctccg cgtcgccaag gtcaccggcg gcgcccccaa caagctctcc 240

aagatcaagg tggtgcgcac ctcgattgcg agggtgctca cggcgatctc gcagaagcag 300

aagtcggcgc tgagggaggc gtacaagaac aagcgtctcc cgctcgacct ccgacccaag 360

aagacccgcg ccatcccgag gcgtctcacc aagcaccagc tctctttgaa gacggagagg 420

gagaaaaagc gcgagatgta ctttcccatg aggaagtatg ctttcaaagc ccaggttagg 480

agcacatgtt ttacctgccc ggttttgctc 510

<210> 5658
<211> 237
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316001h10b2

<400> 5658

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gatttaggcg ggaaagaaca aaaaattggg aaagagactg taaatatctc ccagtattta 180

tagtacaata ctggatgcaa aactaccggg aatgccaaaa attaattctt gagttgt 237

<210> 5659
<211> 295
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316001h11b2

<400> 5659

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gatgtaccct gatctgacgg agcagggcag cgccgccgcc gaggtcgccg ccgtggtcgt 180

cctcggcgtg gcgcctgaga acaaggcggg acagttcgag gtggccgccg ggcagtccgg 240

cgagggctgc agctgcggcg acaactgcaa gtgcaacccc tgcaactgtt aagct 295

<210> 5660
<211> 454
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316002a02b1

<400> 5660

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aagtgcaagg aagattcaac aattgatcgg tttgaaatgc gaggcgatat ctgggcaagg 120

agaaggacat gcctgcggga taactctgcc tttcacttga tccagtggag gaggacagcg 180

gggcttcggc gagtacaagt gcagcagcca cgggaagcct catcgcagaa tgacagcaac 240

acgctcctta aggaactgta tgtcacgatg aagagtctcc tcgaagaatt gaaagtcaac 300

accaaggcag cgacggagtc atgccagctt atcgccaaat cttgtcaaga agttatcgag 360

gcctgcaaga tctctgcgac cagcacgggg acccgtattg tgaactgagg aaccgcatgt 420

agatgagtag ccgtgacttt acatgtagat gagt 454

<210> 5661
<211> 172
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316002a03b1

<400> 5661

tttgtttttg tgtgtattcg gtggcgtatg cataatgtat attggcaagg tatacccata 60

catacagttt gtttgtacat gtgggtacgt tttcttttcc tttcattaaa cgggtttgct 120

atttctcaat agactgagaa ataggtatag ctcaatcgat gctatagcct tc 172

<210> 5662
<211> 535
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316002a05b1

<400> 5662

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cgaggttaca aatcttcgcg cgagtagaga tgttgctgtt cttgatttct catataaaca 120

tggagctgca ctggtgaacg ctaaacttcg acttcctatt gtgttgcata aattcttgca 180

acctataact ctttcccctg aagatttttt cgcccattgg aaaacatgga atgttcagtc 240

actcaaggtt caagaagtgg ttagaggtgt aaaaccatta cctattcctg agatggctag 300

tcttctcttg agccttcacc tggcagatac tcctggactt gataccaacc cgaacaacat 360

ggtggcgtgt gctacattct tttcggagac aaccaatgcc gcgctttgtc tggtgagagt 420

tgaaacagat cctcaagaca gaagtcagct cccgctaaca gtcgcatcag gagatcaaaa 480

tctgacattc gagttgacgg agtacatcaa ggaacatctg atcgacattc cgagg 535

<210> 5663
<211> 522
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316002a07b1

<400> 5663

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aggaacctag aatttatgat tgggtgcatg gatggtcttt catcagagca aaacaagttc 120

caatattact atcgcaacct aggaaggcaa cagtcacagc aacaggcatg gcttcaaaag 180

agaaggcaag agaacatgtc cagaaaggct gctggcgagg agccgttgcc agaagaagat 240

ccatccaacc ctatcttcaa gccgcttcct gagccatccc gcttagaggg ttatctcgta 300

accaatcaga tctcgagtta ctgcaaccat atcaatgggg ttgctggcca gagtttcaac 360

aggctatact tgatgaaggc gttgcaggaa gattaggtgc cgggtggcag ctgctgtgag 420

attttaactt aacactgtac cgcacctcaa ttttgcaatg tactccatgt gcactcgcac 480

attgcctatt ttgttttgcc caaatcagat agttaagatg ca 522

<210> 5664
<211> 482
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316002a08b1

<400> 5664

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acgcagcaaa ttccccagcc ttccctcgac ccagatccgg aaaatggccc gcacgaagca 120

gaccgtgcgc aagtcgaccg gcggcaaggc cccgcggaag cagctggcga ccaaggcggc 180

gcgcaagtcg gcgccggcga ccggcggcgt gaagaagccg caccgcttgc gccccgggac 240

cgtcgcgctc cgtgagatcc gcaagtacca gaagagcacc gagctgctca tccgcaagct 300

gtccttgcag cgcctcgtcc gggagatcgc gcaggacttc aagaccgacc tgcgcttcca 360

gagctacgtc gtgtccgccc tgcaggaggc cgacgaggtc tacctcgtgg ggctgttcga 420

ggacaccaac ctctgcgcca tccacgccaa gcgtgtcacc atcatgacca aggacataca 480

gc 482

<210> 5665
<211> 505
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316002b01b1

<400> 5665

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tgttgaaaca cccaagcaaa ggacaccaga tgcagtatct gcagttgaat cacttcctcg 120

ccccacaagt actaggttcc ttgcatatga agaacttaaa gaagcaacaa acaactttga 180

ggcttcatgt gtgcttgggg aaggtggttt tggccgtgtc tttaagggga tactaagtga 240

tggcactgct gttgctatta agaagcttac tactgggggg caccaaggag ataaggagtt 300

tctagttgaa gtggagatgc tgagcagatt gcaccaccgc aatcttgtga aactcattgg 360

atactatagc aaccgtgaat tgtcacaaag ccttctttgc tatgagcttg tttctaatgg 420

aagcctagaa gcttggcttc atggctcatt aggcgctgac tgccccttgg atngngacac 480

cagaatgaag atagcacttg atgct 505

<210> 5666
<211> 197
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316002b02b1

<400> 5666

tatttaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 60

aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120

aaaaaggggg gggccttttt aggggtccaa ggtttccgtc cgggggctgg gaacgtaata 180

gtttttttttt gggggcc 197

<210> 5667
<211> 242
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316002b06b1

<400> 5667

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gatgttaagt cagatcttgt ggatttatag attttgagag atattgtgtt gcatgtttag 120

aaaatgaccc tttcccctct tttgaatcaa gtggttgcca tctaaaagac acgctacgac 180

atatggaaga acaactaaac caagatgtca actaagacag aaacaaaaga aaaactgaat 240

gg 242

<210> 5668
<211> 464
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316002b08b1

<400> 5668

ttgtcagggg tttgaggctg tcatgcgtgt caggtgcagt caggggcttc aagttcaaga 60

ctattctggc aatttctgca agcgcgtccc tactgatatt gatttgcctg tgattgactc 120

tgacaaaacc ataatggttt cctttaagca tgatgataag tttcaggaga attcagaatg 180

tggttttcag tgtgcacttc tttacaccac ggtatatggg caaagaagga tacgagttat 240

aaatatttca cttccatgta caagcatgct cagcaacctt ttccgatgtg ctgatctgga 300

agcacagttt acgtatgttg ttaagcaagc tgcaaatggc attccatcaa gttccctatc 360

ccaagttagg gaccaagtaa caagtacatg catcaatatt ctccagtcct accgacaata 420

ttgtgcatct gtaagttctt ctggacagtt aattttcccg aggc 464

<210> 5669
<211> 390
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316002c03b1

<400> 5669

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acttggatcg cttcttctgt ggagatggtg gcgcccatgg tgatcgcgtc cgcggggctc 180

gggatgctgg cgggcgtggc gatggcgaac cggacgacca gggacgggct gccggcggcg 240

tccagatggg acgcgcggcc acgttgctcc acgtgcagcg gcaccggccg ggaggagtgc 300

ctctgcagcc gttggtccga ccgcgacgtt ggctgcagga cgtgcttccg ctccggccgc 360

aagcggtgcc gcagctgcgg aggctctggc 390

<210> 5670
<211> 339
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316002c04b1

<400> 5670

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atctcatcga aagaaaaaaa ggatacagcg gggggccctt aatacggggc ggtcagcttg 120

aagggccatg catgaagtca cgagctggga agcttgctgt tgttttaaga tgtagacaaa 180

atgaaatgac gtgggcaatg aggaacaact tcttaattgg agaaactcag agaaaaccaa 240

aataaatggc cttgtagaag atcccacttt acccacgcgg gcatgcaacg aaaaggccct 300

cacatagcgc cctctaaaac aaatgcactg cccgaaggg 339

<210> 5671
<211> 433

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316002c05b1

<400> 5671

agctggtacg cctgttggta tctggtctgg tatttctggg ttgactctac gcgtctgttt 60

tcgcgtttgt ccacgcgttc gtttacgcgt tcgtccacgc gttcgtccac gcgttcgtcc 120

acgcgtccgc ttttttttt ttttttttt ttttttttt ttttttttt ttttttaga 180

ttggaattat tttgatccag aagctcttaa caggggccca acattgcacg ttagtgtcct 240

tgtaaggatg tttactttaa gcttcagttt tatgcagaat ttttttgaat tgattgattg 300

gtagagattt tattacatga taccatgtta cacaatttta cagggcacga ttggattgtg 360

gttggttgcc aaactgcagg ggttgtgatt ttaaatcaaa aaaataaaaa aaggggtggt 420

cggttttgag gat 433

<210> 5672
<211> 264
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316002c08b1

<400> 5672

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tcacaactgg gagtggtggg tggatatttt gatcgactcc tgttaagcca tgttacaact 120

gtgagtggtg ggtggtctaa gagtggcgag tagttttcaa gacaatgtgc gagccattgt 180

tggatccttt tactggcaca gaaccgcgaa ttacacttac ccacacaatc atggttgatg 240

agacaaatca aatctttgac cgtc 264

<210> 5673
<211> 504
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316002c09b1

<400> 5673

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ccccctctca ctcgcccagg tctagggttc cggcgcccga ttcgggccga attggacggc 120

gccgcggcgg atcggaggag cgggggagag atgacgggga agaagcgcaa ggcggaggcg 180

gcgcggctgg acgagacgga ccgggccatg tacggcgcgt tccggggcgc cgccaactcg 240

ctctcgcagc tctacacgct cgccatgggc ggccagaagc tctccttcca ggccggcgag 300

cgccacgcca tggaaaagct gtatgaatgg atcttaagac agcatgaaaa tggtttgagg 360

ctgacagttg gtgatatagc ctcgcacgtc cagcatgaga ttcagtatgg aggcgacaat 420

ccgttggcct ctccaagatc acaatatgca agccaaagca ctcatggtac cgtgcatatg 480

cccaacacag gcaaccagca acca 504

<210> 5674
<211> 317
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316002d02b1

<400> 5674

gggggggcata attaaaggga accgccgcga tctgccaagc agcaccgaag gaaggaacgg 60

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caaatgccca acaggctgcc caagctggtg gaggaaacca acgcaaaaac cgcgatgaca 180

gaccgggagg gactacagaa gaactggagc gctgcgacgc acacgtacag agggaggtgg 240

catgcgacag gccttatgcc ggcaatggct ctgcgaagac cggccggaga tccctagatg 300

ctacacacca tcaagat 317

<210> 5675
<211> 328
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316002d03b1

<400> 5675

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agaaatagaa cttggctagc tggtgaattt tatccggaag caaagtcctg tattaccagt 120

ccgtacctat agagctatgg ccattgtgtt gacactatct ttagcccgtg gtttctattt 180

tgagaagacc aatcttttta agatttttat acatgagtct ggtgcctttg tttgattact 240

tggtactctg ctgtttattc agttatgtag cttgtctggg ttttgtacct gcgcttgaca 300

cgtaatttac aactctatga ctggtaaa 328

<210> 5676
<211> 289
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316002d04b1

<400> 5676

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tcaccatgcg ttctcatgcg gtttctgtac caaaatgttt gtaactaaaa tggctgaact 120

ccatcgttac cacctgaaac agcaacttgc tttgttgcat catttggctg gacggctgga 180

gattgctctg tcatggcctg tgcctatact gtctgtatct tgaacacaaa cattttgtaa 240

cgtcttgtgt gggtttgtaa tgttctagta tcatatcata ttgattctg 289

<210> 5677
<211> 219
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316002d05b1

<400> 5677

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ctaggtgaca aactgtaatt gatgtagcct tgcatctgga caaaattgta ttggactctg 120

aattgtccca gcttcatagt gcccctgtgc aaaatgcctg ttcacaaaga aaaaataaaa 180

aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaca 219

<210> 5678
<211> 269
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316002e01b1

<400> 5678

tggttagaca ccaaggaaca caaggaagga cggggccttt gttgaatgat tggtggatac 60

taaaggagcg taatcatatt gtacggtgcg caagaggggc gacaggttaa cacgatggag 120

gatcacgtca cgcacgattg gcctcaagtt cgatcgtttt gagagtgaaa ggaagtcaat 180

ttactgggca gaagattaaa gtgttcttga ggtataaacc cgggtttcac cgagatagag 240

tgaggagcat ttattctata tatgccctg 269

<210> 5679
<211> 372
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316002e02b1

<400> 5679

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agcattgtcc gggcccggca agggaggcaa ggggccgggc aagggcggca tcgagctcca 120

ccggcaggtg gctctgtgac aacatccaca gcatcaccaa atcaactgat ccggcctctc 180

gcgcgcaggg gcggaacaga cagagcatct gctggctcat ttacgaggag acccgaagag 240

cgctcaagat ctgtctcaag aacgtcatac gagacggctg acactacagc ctagcacttg 300

ccgctgtatg accgttacac aacatggacg actggtacga cctcaagcga caggaactca 360

ctctctacgg at 372

<210> 5680
<211> 497
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316002e09b1

<400> 5680

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cgcctacttc ctgggctgcc tcatctcccc caagttggcg caccgttgcc cttggtaccc 120

agaggaggag gccgtggagt cctatactga gtacctcaag gaccttcgag gccttccttg 180

atcgagaaca ccaccggtcc ggtcattggc gtcgactact ggcgccttct cgacgacgcc 240

aggctcaagg acgtcgtcac cgccgtgcgc gccgacgagg cgcatcaccg cgacgccaac 300

cactacgcat cggacattca ttaccaggga atgacgctga atcagacgcc tgcgccgttc 360

gggtactact gatcagctca atggaccata tatcgatgcc tgctcagtcc attgttggtg 420

cgtactacta ccactgtcgc cgatgactgg tgcgcgtgca gcctgatctg cggaaacgat 480

gtgtgtgtat gattctt 497

<210> 5681
<211> 171
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316002g03b1

<400> 5681

atgcgttctt tgcgtccgcc cacgcgtccg atttatacgt ctacaaatgt tacgtacgta 60

cgtaaataag cacacattcc ggcctgcatg tatccatgcg gctctgtgga gcgtgtaaat 120

gtatgcaaac atctttactt ttgttttgtt gttcaaaact tggacctagc c 171

<210> 5682
<211> 410
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316002g07b1

<400> 5682

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acctcgacac cgagtcgacg gggtctttct tccctgaccg gagcacgacg ctggggacgc 180

tgatgggcgt gtcgacgttc ggcggcgccg gtgtccagcg gcggctgact cgggcggcgc 240

cggggcagga gagcgagagg ccgacgcgtg cggcaacgga ggagcgagac gggcggcgcg 300

cgggcgggtg gcgacggagg aggcggctgc ggtgcggcag ctggtggcgg ctgtgccgcg 360

acgacgccag cgggccgtcg acgaggctgg gcgagttcct ggacatggag 410

<210> 5683
<211> 428
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316002g08b1

<400> 5683

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tggcgcgtaa gatgaaggac actgattccg aggaggagct taaggaggct ttcgcgtgtt 180

tgacaaggac cagaatggtt tcatctcggc agctgaactc cgccatgtca tgaccaacct 240

tggtgagacg ctgacagacg aggaggtgga tgagatgatc cgtgaggctg atgtcgatgg 300

tgacggtcag atcaattacg aagagtttgt gaaggtgatg atggccaagt gagctgtcat 360

actaagctag ttctatcttg atgttagcag ctagtctagc cttgaaaact gacagcagat 420

ggtactac 428

<210> 5684
<211> 483
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316002g09b1

<400> 5684

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aaccaggcac catcaggccg gtgcgacccg agcccgagct ggtgtgtggc gaacgcggcg 180

gtgggcgccg cgcggctgca gaatgcactg gactacgcct gcggtcacgg cgcggactgc 240

acggacatcc aacccggagc acggtgcttc gatcccgaca ccaaggtcgc gcatgcgtct 300

ttcgcgttca atgactatta ccagcgccat ggccggggcg ccggaacgtg cgccttcgcc 360

ggtgccgcta ccattgtccg gcaggcacca aagataggca actgcgtgct gccgtaaggg 420

cctgaactga agaactgtgc caaagcgaag cttactacac gagattaagc ataattccgc 480

aga 483

<210> 5685
<211> 454
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316002g12b1

<400> 5685

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cggcctccag ttccccgtcg gccgcatcgg gcgcttactc aagaagggcc gctacgcgca 180

gcgcgtcggc tccggcgccc ccgtctacct cgccgccgtc ctcgagtacc tcgccgccga 240

ggtgctggag ctcgccggca acgccgccaa ggacaacaag aagagccgca tcgtgccgcg 300

ccacctgctc cttgccatcc gcaacgacca ggagctcggc aagctgctcg ccggcgttac 360

catcgcgcac ggcggcgtgc tgcccaacat caaccccgtg ctgctcccca agagggccct 420

tgagaaggcc gagaaggagg cccagtcgcc caag 454

<210> 5686
<211> 406
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316002h02b1

<400> 5686

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atcactgaca ggatgtgggc gagggtgctg tgctcgacga accagccctg cttcctgagc 180

cacgaggacg tggagaacat gaagcacgac gacgatgagc gccaccacct gcacaacacg 240

cagctcctcg atggctcacc ggcgaagtgc tcacccaact gtaacgggtc agctggagcc 300

gagtgagagg cacaaagctg ttgggatgga tatattgagc atgtgtaatt atagctattc 360

ttatttaacc ttctcttggg agtttttagc ttgccttgta gtagag 406

<210> 5687
<211> 229
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316002h04b1

<400> 5687

tgatacctct ttatcctagt atatgttttc tgtgtaacac tcgtcggtgc cgcaacactt 60

tgtgttcgac taagaagttt ttatcaagag ttgaacatca caataaaatg aaaatgtggt 120

gtaatgagac atggaaccgg gttagtttct gtgaaaaaac aagaaaccac cctcgaaaaa 180

ctcatgtgac gagtgattaa tactggcttg ctaggcttgg attatgatg 229

<210> 5688
<211> 253
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316002h06b1

<400> 5688

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ggctggtctc tagatttcct gtcttttcct tctctcggct ctttggagat ctagacaacc 120

caaagttttg cctctgtatc agaaaagctt ccatcattta gcgcgacaag tacaagtact 180

attgtatcac ttaaaacata tcttctctac gctattttat aaccagacga tccgtattta 240

atttcatatc ttt 253

<210> 5689
<211> 364
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316002h07b1

<400> 5689

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cctgctcgcc tcgtgtgccc tggcggcggc gagcttagac acggagttcg acgtcacctg 180

gggtgacggg cgcggcacga tcctcaacaa cggccagctc ctcacgctgg ggctagataa 240

gatctccggc ttcgggttcc agtccaagca cgagtacctc tacagcagga tcgacatgca 300

gctcaagctc gtctacggca actgcgacgg caccgttacc gcatactacg taatgaaccc 360

aaca 364

<210> 5690
<211> 356
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316002h08b1

<400> 5690

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gtcgccgaca gtgaccggac cgagccgttc gtgcgagcac aggacgcggg gaggagatgc 180

cggctgatct ccggttctca gacgcgtcta gctccagcgg gaggaggagg cggcgtcatc 240

gatctcggcg ggggaaaggc gcgagcttgg gcttgcctga cttattgctg acggcggggg 300

cgaaggggag ggcagaggcg atgctgcggc tgtagtcgcc attcgcagtg gtgcct 356

<210> 5691
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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316002h10b1

<400> 5691

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ctgtaaaacg taagagtatc attcagctgt tatgcatggc tctagctgat gaagtgttgt 120

ccgaggtctc tactcgtatg atgtcggagc ctgtaaacgc aagaaacacc ccttgaaaaa 180

cgcatgtgtt gtggtattaa tactggtttg ctaggcttgg attctcctg 229

<210> 5692
<211> 486
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316002h11b1

<400> 5692

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ctttatctca agagattgtc ttaccacgcc aaagggaggt gcggtgtcag ggagagacct 180

aggtgcaggc tgacggtggt ggtcagagaa gccacagccg aggaggaagc taagattgcg 240

aaactcaggg tcatgaacta caagaagctc accccgaagg agaagcagct catgccgtac 300

cggcttatcg aggtcagccc gaaatgggct cgtaaaagga aagaggagga ggaggaggct 360

ggtgcttcag cgtagtacaa gtttacgttt gcagcaaggt ctgtctttct tggccggcct 420

ggagccagag attagtagct gcatctgcag tcgtctggtc tatctgttga gacttactga 480

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<210> 5693
<211> 84
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
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<400> 5693

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aaagaaaaac caaaaaaaat atat 84

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<211> 398
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316003a02b1

<400> 5694

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ccccctcgtc cagtagggag ccgccatgag ccgatcgggg cagccgccgg atctgaagaa 180

gtacatggac aagaagctcc aaatcaagct gaatgcgaac cgtgttgtca ttggcacgct 240

tcgtggattt gatcagttca tgaatttggt ggtggacaac actgtggagg tcaatggaga 300

tgagaagacc gacataggga tgggtggttc tgagaggaaa tagtgttgtg atgattgaag 360

cccttgaacc aattgccagg tctcagtgat attttggc 398

<210> 5695

<211> 485
<212> DNA
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<223> Clone ID: uC-tsro9316003a05b1

<400> 5695

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gtgtatgcta tcaatgatgc cttatctgct gaaggagcgg cagaggacta tgaaactatc 180

ttgaagcaac ttgttaagaa tggcgtcctt gcaatgtcaa agacaactgg gtttcccagg 240

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catcctcttg ttaaagagaa caagaagtgg gtcacccaca tcttggactc tccaaagccg 360

ccaccacaga ggatcacatt cacgtttccg gtgatcaact cctccgcata tgtcgccatg 420

gtggtaactg gggctgggaa aggccgtgca gtgcagaagg cgatttctga caagaagact 480

tctga 485

<210> 5696
<211> 369
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316003a06b1

<400> 5696

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cattggcccg ggtgtgctcg acagttcact cccccaggat cccgtgcaag gaggagatcg 180

ctcgccgcgt gaccaagatg cttgcggggc tggacagatc gaccctgcga acagaccctg 240

actgcggatt gaagacccga cagtccgctg aggggaagct tgagctcacc aacatggttg 300

aggtcgccca gcagatccga gccccgttcg caacggccca gtccgccttg cttggtttgc 360

gctccccac 369

<210> 5697
<211> 318
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsro9316003a08b1

<400> 5697

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tcatcaaggc cagaattgcg acgaacccta actcgttgaa cttcaacgtc atggttcttt 120

caaaacagtg aatcggtgat gtaaggtgga atggataggc ttggtctttt ccattctcat 180

gggctggtgc ctgatagtca gcatagcccg tcggaaaaac agagacttgt tgcctaaagt 240

aaactgtgct ctttgtgcaa aagttatgtc tttgtcttct ggcttttgta tcagaaataa 300

aaaaggagta tttagttg 318

<210> 5698
<211> 572
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316003a11b1

<400> 5698

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tgacgcgggg gaagcagaag atcgacgcgc agcggaagag cgcggagaag aaccagaagt 120

ccaaggggtc gcagctcgag gcccgcgccg tcgggctcaa ggtcgtctgc cccatctgca 180

aggcgcaact ggccaacgag aagcagttga ttgatcacta tggatcaaag catcccaagg 240

agaaacctcc aggtccatca aatgcagagt gactgatgcg aagtggaagc atgagctata 300

ctttgcctgt ttctgagggt gttcaatctg ctccacactt ggacgacttg agcctcagct 360

ctaccctatg taatgcatgc atttcctctt gttccaggca agagcctttg atgaccatgt 420

atttgccttc tatgagtatc tatgtctaac tgtcaacata cctttaaact gtatgtggtg 480

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tgtctaagag ccaaaaatga tgttttcttg tc 572

<210> 5699
<211> 298
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316003b03b1

<400> 5699

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tgcgcaggct ggttcatgat atggccacat tgttggagga tgaaggtagc cattttagtt 180

cccatcccct gtgtgtgctt gtacacttca gagcacctca atttccaggc cacatctgct 240

gttcatttgc actcttttaa taatagcata tatctctatt gacagagttg gctagtct 298

<210> 5700
<211> 326
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316003b05b1

<400> 5700

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tgcagatctt cgtgaagacc ctgacgggca agaccatcac gctggaggtg gagtcctcgg 180

acaccatcga caacgtcaag gccaagatcc aggacaagga gggcatcccg ccggaccagc 240

agcgcctcat cttcgccggt aagcagctcg aggacgggcc gaccctcggc cactacaaca 300

tccagaagga gtccaccctc cacctg 326

<210> 5701
<211> 424
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316003b08b1

<400> 5701

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atatctggag cgtgcagcca tcatcttcag gaaattctct gtgtcgatca ttgcacccaa 180

attgcgacgc tgctgctgag tacatataat aagagatgtg ttgatctcat gtatgcattg 240

ttcatgcctt ttggcatgtt tagccatctg tgccctggac ctagtctatt aataaactgg 300

aaaaatagca tatcttccgg tgagagtaac attttacgca tgctaccttg agatcggact 360

gctcgaaata aaaggagatc gaagccttca ggccgttgtg caaaaaaaaa aaaaaaaggg 420

cggc 424

<210> 5702
<211> 459
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316003b12b1

<400> 5702

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tctggatcct ttcagcgagc ataatgatgc ggatctatgg gaggctcttg aaagggctca 180

tctaaaagat gtcataagga ggaatgctct agggctagat gctgaggttt ctgaggccgg 240

tgaaaatttt agcgttggac agcggcagct gctgagttta gctcgtgcat tgctaccaag 300

ggcaaagata cttgttcttg atgaggcaac agcagcagtt gatgttcgaa ctgatgctct 360

tatacagaag acaatcagag aagaattcaa gagttgtaca atgcttatca tcgctcaccg 420

cttgaacact tgtatcgact gtgacaggct gcttattct 459

<210> 5703
<211> 294
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316003c01b1

<400> 5703

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ctgtgcaaac gcgattgtac tgctataaca tgcatgtttg ggttcggttg tgatagtaat 180

aacattgaaa agagcagttt taagatgaca atgcagttgt tgcaaaaaaa aaaatgaaac 240

atcaaaaaaa aaaaaaatga cagatgagct agatgacacg agggcctagc ttgg 294

<210> 5704
<211> 366
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316003c04b1

<400> 5704

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aacagagaag ctcacaccat ggcaaccaat gggtactcca atggcggcag caccaaggga 120

aagcccatca aatgcaaagc ggcggtggcg tggggtcccg gcgagccgct ggtgatgcag 180

gaggtggagg tggcgccgcc ggcgcacatg gaggtgcgcg tcaaggtcct ctacacctcc 240

atctgccaca ccgacctcag cttctggaga ggagagaacg agcgtcaacg caggttccct 300

cgcatccttg gacacgaggc nagccgagtg gtggagagcg tgggtgaaag cgttgaggac 360

cttgcg 366

<210> 5705
<211> 386
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316003c05b1

<400> 5705

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cctgggcgtc tctgcaagag aagctccaag ggcggcactg gaaggagagg caggtgcgga 120

agatcaccga caaggtgttc gaccggctca ccgaggacac ccagaagccc gagaaggacg 180

ccctcaagtt cgaggaggtc tacatcgccg tcctctgcgt ctacaatgac atcaacaagt 240

acttgccagg gccgcactac gacccccccgt ccaaggagag gctcaaggaa ctcatgagag 300

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agctgaccgc ccagtcactc tgcgcg 386

<210> 5706
<211> 368
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316003d02b1

<400> 5706

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cactctccca agaaagtcat gggatgcttc ggggcctgaa gtaaaaacgt tcctagttca 120

caaatggagc aagagtgaat gaagtgttca tccgtggttg cttgcttgct tccttctttc 180

tttcatccct cccaagtgtg tagtgtgcct tgtgtgtaaa gtctgccgtc tctgtatata 240

cacattgctc ccaggacagg tgctcggttg tgtacatctt tgatgcttga caagcaacat 300

tcttatgtgt agttaagaaa gtcacatttg ttattactgt tgacgttaag cagtcgtttt 360

ttggtctt 368

<210> 5707
<211> 395
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316003d04b1

<400> 5707

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cccgacactc aaggggccga tagggacgac tgagatgcag ttccagtgtc ttggttgcag 120

ccattcttct gagatgtttg gatttgttaa ggaggtgttc aattgctgcg cagagaactg 180

gaatgctgag acgctgatga aagagctaga tgttgtcagc aagtccaaag gcatattggc 240

agcaaatcag gcgagccaat ctacgattcc ccttctatct ccggccatca gtccacccaa 300

atccttcaat ttcaatgcca gcacctccat tctcgactca cagattgatg cgctcaagac 360

cagcccaaag tccctctcta ttgaaccctg ttttg 395

<210> 5708
<211> 489
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316003d12b1

<400> 5708

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gcatgacttt ggatatatgt ttctgcaggt ttcagaatgt atccaagatt gcagggaagt 240

taattacacc atctgtggaa gatgggttgt ggaagatgga cattgcccct caggtaattt 300

cactttgtcc tagattaata acagattact aatttatttg tttaaacagg gcaggttatt 360

tacgggagta ttttctatgc agaaactttt agaattaact ttgaccattt actattgact 420

tgctaaatta catgttggca ggactattcc tgcagcctag tataattgct ctgccaattt 480

ccaaccaaa 489

<210> 5709
<211> 288
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316003e04b1

<400> 5709

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aaaaaaaaaa aaaaaaaatg aaatatgctt atgttctatg agggaggaaa aatggtgtag 120

caaatgatca caaaagtcac agtggataga agcaatgata tcaataaagg aatgaaacaa 180

cggaacaaga aatagaaata aaatgtagca tctcaatggg ttggcagaat attgttgaat 240

gtatagaaaa ctgctgcgaa aatgagcgca tgtatagtaa ctggttgg 288

<210> 5710
<211> 374
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316003e05b1

<400> 5710

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ttggaatcag gcagtgcaaa gcttgagtct taatgttcgc aaaatattct tggaccatga 180

ccctgtactc tttgaggggt gcctgaagaa gtttcaggac gatgaagctc aagaagatgc 240

gatgcgatca aaacgtgatg ccacatggaa gcgcctagag gaaattgcct cgtcaaatcc 300

acaagcaggg aggccacagg caatagctca tcagcagagt tcttctacct aaccttctgg 360

ctgacttgca tatg 374

<210> 5711
<211> 402
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316003e06b1

<400> 5711

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aatcgcgctg cgattttgcg attgatgaat cgaaatccat ggtggtggtg gtgcgcgggt 180

ggtggcggtc gattattttt ctcttgttct ttctggcgtg aaggcgaggg gtcggagcgt 240

cggctcggac cggacggtgc gcatttccca cccggcccct cgctgtttct ccttatcgcg 300

agacaccccc tagcagtgtt cctagctcta gtttccgttg gttcccctat gtttgttctg 360

ggtaagacga tgataagatt tgacagaaat tgaagagtaa aa 402

<210> 5712
<211> 377
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316003e07b1

<400> 5712

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ctaaccagtc tcacaccggc ggccagccat ggcgctcgcg tccctcccca aggtggtgct 120

cggctccttc gccttcgcca tcttctggat gatggccgtg ttcccgtcgg tgcccttcct 180

gcccatcggc cggacggcgg gctcgctgct ctccgccgtg ctcatgatcg tcttccacgt 240

gatcagcccc gacgacgcct acgcctccat cgacctcccc atcctcggcc tgctcttctc 300

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cctcgcctgg aagagcc 377

<210> 5713
<211> 372
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316003e10b1

<400> 5713

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ctgccgaagc atgagcatga tatatgcttc tgttctatga gggtgggaaa tggtgtgcaa 120

tgttcacaaa gtccagtgtt gtagcatgta tcataaggat gaacacgaac agtttgaaat 180

aaatgtgctc tcatgtttgg agaagttgtt catgtatagc agctgctacg aaaatttgtg 240

catgtatagc aactgcttgg aagtcgtaat gtacaatttg tcatttgccc gttccaaaaa 300

acattcggta ctatattgct ggttattttg gttganaaaa annttntana aaaaaataat 360

aaataaaatt tg 372

<210> 5714
<211> 355
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316003f01b1

<400> 5714

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accgcgcccg cgcggcggac ggcgtcggcc ctgtgacgtg ggacaacagc gtggccaggt 180

tcgcgcagga ctacgcgaac aagcgcgccg ccgactgccg gctgcagcac tccggcgggc 240

cgttcggcga gaacatcttc tgggggtccg ggcagtcgtg gacggccgcg aacgccgtga 300

agtcgtgggt ggacgagaag cggaactacc acctcaacag caacacctgc gatgc 355

<210> 5715
<211> 264
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316003f02b1

<400> 5715

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aatctgacca gtcagtatgc ggcgtatagg acactagaag ctatccctct tgcggggagt 180

attgatttct ccgtcgacag tccactcggc gttcatgcga aattctaaag ctgattgtga 240

agatccgagt ctgattttca aggg 264

<210> 5716
<211> 270
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316003f03b1

<400> 5716

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aaggaatggg tggaggaggt ggtggtggag ctnacccatt cgacatattt tcatcataaa 180

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gataggattt tttccatcca ctaaattctt 270

<210> 5717
<211> 354
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316003f05b1

<400> 5717

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aggatgcttc tgatcaaatc cagtttgtca ctaggcaaat tagatacgaa catgtgattg 180

gtcctggaac tttgtaggtt gttctgccca tggctacgcg cagatattgc cgaataaaaa 240

tgccaagatt gcaagcatgt gttggtttgg catacaaaaa aaaaccaaac ctggaacaaa 300

aaaaaaatat taaaaattat atacctaata aactcttata tttaccaaaa ttaa 354

<210> 5718
<211> 281
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316003f06b1

<400> 5718

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cggacaatag cactaaaccg gtggggcccc aagtcgactt tttttacgcc aatacaagtg 180

cccatgttcc ccgggtacgt accgggggggg aaacttcccg gagacgagtg gctaatatcc 240

gggggggttc tttgcacggg gggcggggaa aaatgtccgg g 281

<210> 5719
<211> 368
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316003f07b1

<400> 5719

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aaagatcctg gttacatcaa caagaataca agagactcgc aaactcaaag agatgatgaa 180

cctttgttga agaggggtct agataaccca gaacttctgg ctggcaattg gtctcaacta 240

tgtattactt gcaaaattgt gaggcccata cgctcaaaac actgctctac atgtgatcgc 300

tgtgttgagc aatttgatca tcactgccct tgggtttcaa attgcatcgg aaagaagaac 360

aaatggga 368

<210> 5720
<211> 87
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316003g03b1

<400> 5720

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atcaatttaa gatcatataa tggtgtg 87

<210> 5721
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<212> DNA
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<223> Clone ID: uC-tsro9316003g05b1

<400> 5721

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ctttggttat tcggtctgac aaaagaattg gatgtaagtg aattttgtat caggaaggca 120

aacattacat tgcgtgtcgt tttcatgatg t 151

<210> 5722
<211> 259
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316003g06b1

<400> 5722

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aagttgcaga cggaggccgc cgccgccgcc gggggggagg ggaggctgat gatccggcag 180

gtgtgggcga acaacgtgga gtcggagttc caggcgatcc ggcaggtggc ggagcggttc 240

ccgtacgtgt ccattgaca 259

<210> 5723
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<212> DNA
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<223> Clone ID: uC-tsro9316003g07b1

<400> 5723

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gactgcccag agcaactccc gacgccgacg aggatccggc agacggaggc gaacgaggag 180

gcgaagctga gctcgttcca gcaggagatc gtgcagctgg cggcggtgct gaacggcgac 240

caccagctaa gcagcctgca ggagaggatc agggagagga tgaacgtgag ggaaggcacc 300

tcctacatga ggagc 315

<210> 5724
<211> 377
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316003g08b1

<400> 5724

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gcttcaaaac gtatcctgaa ggaactcaag gacttgcaga aagatcctcc gacatcatgc 120

agtgcaggtc cttctggcga ggatatgttc cattggcagg caaccattat gggtcctcct 180

gatagtccct atgctggagg tgttttctta gtgaatatcc atttcccccc ggactacccc 240

ttcaagcctc cgaaggtatc gttcaagaca aaggtcttcc atccgaacat caatagcaat 300

ggaagcatat gcctcgacat tctgaaggag caatggagtc ctgctttgac aatctctaag 360

gttctgcttt caatctg 377

<210> 5725
<211> 287
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316003h01b1

<400> 5725

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tagtacagcc agcagtgtgc gatgtcaacc accatgatga atctgagctc ggcgcggttc 120

gttgcgagtt gagacgggat ctacaaactg aatctgtctc cccgttgaag accctctctg 180

ttaaaagact cacggaagaa acaaaatggt actgctaatt aggactccct ctgtaaacta 240

atataagatc ttttagagta ctatcgagaa acatttctgt ttcaaaa 287

<210> 5726
<211> 261
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316003h02b1

<400> 5726

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acggacgtag ctagcgaaga gccacgtcga gcgcgactag cgcgcgggat tgtgttccaa 180

cggcaagtcc aaccggaaga ccaacgccga cgccgcggtc accaacgggg acagcaacgg 240

cgggcccgcc aagatgtacc a 261

<210> 5727
<211> 413
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
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<400> 5727

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ctgatcttga agcaaacccg atgtggatgg ccagtgtttg ttaccctgcg cagtggatat 180

agttagcttc ctcttcaaag gtgccttgct tgtgtatttt actaagccaa acttctgttt 240

agtgatcaat tttttgatgt actattgcat tcccaaaccc acggagatct gagcctttgc 300

aactactaca tngtgcaggt ttatgttgta ctatcaaacc agaattgttt cagttttcct 360

tgtgatagcc tggatttcag gaagccataa gatgatggca ctaaatgtca tct 413

<210> 5728
<211> 300
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316003h07b1

<400> 5728

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gggaagatgt accctgatct gacggagcag ggcagcgccg ccgcccaggt cgccgccgtg 180

gtcgttctcg gcgtggcgcc tgagaacaag gcggggcagt tcgaggtggc cgccgggcag 240

tccggcgagg gctgcagctg cggcgacaac tgcaagtgca acccctgcaa ctgttaagct 300

<210> 5729
<211> 250
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316003h09b1

<400> 5729

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tcaacgagta aagaggaaaa gaagctggtc tccgccacca aggagggcca agaagcacgc 120

tgacagcacc ggaatagatg aagaggaatg cagaactaaa gaggaagtcc gaggggctat 180

ccaaggtgat caaggacgcg ctggccgaca ggtatgcgaa ggtgagcgac tcaaaaagaa 240

ttgactattc 250

<210> 5730
<211> 474
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316003h10b1

<400> 5730

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agcgaggaag agaagaagag gaaggaggag ctcaaggaga agttcgaggg gctctgcaag 180

gtgatcaagg aggtgctggg cgacagggtt gagaaggtga tcgtctctga ccgcgtcgtc 240

gactcaccgt gctgcctcgt caccggcgag tacggctgga ccgccaacat ggagaggatc 300

atgaaggccc aggccctgag ggacacgagc atgggcggct acatgtcgag caagaagacg 360

atggagatca acccagagaa cgccatcatg gaggagctgc gccagcgcgc cgacgtggac 420

aagaacgaca ngtctgtcaa ggacctggtg atgctgctgt tcgagacctc cctg 474

<210> 5731
<211> 416
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316003h11b1

<400> 5731

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aaaaaaaaaa aaaaaaaaaa aaaaaaaaac aacaagaaaa aaaaaaaaaa aaaaaaaaaa 120

aaaaaaaagg gggggccgtt ttattggacc aacccttatt accccggcgt tgcagcgaaa 180

tatttttttt ttggtggccc caaaataaat ttaattggcc ggggtttaaa aacaacgggc 240

tggggaaaac aatggtgtga cccaccaaaa ttgttttcaa gaaaaacccc ctttttacgg 300

cgggtggaaa taaaaaaagg ggggccccca aggcccttcc caacaaatgg ccaacctaaa 360

tgggaaaggg aacccccccc tctcgggggc cataaagcgg gggggggggg ggggtt 416

<210> 5732
<211> 294
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316004a11b1

<400> 5732

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cacattacat tactacttgt gttgatatat gtactggtgt gttagtttac tcagggctgt 180

gagattgtac gagcagcaat gttatgtgtt tttcctgcag attaactaat acatttgtct 240

tgtaaaaaaa aaatcttaaa aaggagcctg acgacaccag gccttatctt attg 294

<210> 5733
<211> 508
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
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<400> 5733

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caccggacca agaagaggcg gacggcggcg atgggcggcg gcggaggcgc gcacggcggc 120

acgacctaca agggctacac catcccccac aacaagcgct ggcacaccat cgccggcaag 180

ggcctctgcg ccaccatgtg gttttggatt ttctacaggg ctaagcagga tggcgctgtg 240

ctcttgggta tgcgtcatcc ttgggatggc catgatgatc acgcgcatgg tcatggacat 300

gcacacgagc atgaggcttc gtcgtcgtaa tcgccgtccc attgagctcg acgctgaatg 360

cggctgacag agaccctgac gcgtngcatg tttcgacgca agtctctgct taataaaaac 420

aatcacaact atcattattc acccctgttg ttngcatgta ttttttttta gcacacaaac 480

tgggccttgt gtgtattttg ttttgagc 508

<210> 5734
<211> 553
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316004b08b1

<400> 5734

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gcaagatgct ggacaagctg tgggacgacg tggtggccgg gcctcgcccg gagacgggcc 120

tcgacaagct ccgccgcgcc gccgccaccc aacccctcgc catcaacaca gctgcagggg 180

aggcgattaa gcagtcgccg tcgatgccga cgaccccgac cacgccggtg acgccgtcgt 240

cgtcgacgcc gccgcgtggc ggcagcgtgt ggcggagcgt tttccacccc gggagcaacc 300

tggccaccaa aagcctcgga gccaacctct tcgaccgtcc gcagcccaac tcccccaccg 360

tctacgactg gctttacagc gacgagacca ggaccaggag caaccaccgc taaataagag 420

ccgacggcca gagaattgaa gacaggaagt tctgcgacgc cgccatgttt gctgctcttc 480

tggttatcta atcctgcata gcgtacgttg ctgcctgagg ctgcatgtag tttggctgga 540

gcttcgtact act 553

<210> 5735
<211> 168
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316004b12b1

<400> 5735

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gtatgtatgt acctgcagaa ctctctgaat caccccgagt gagagaacct atgttggact 120

gagccgtttt attcagagtt gctgccagtg ctggttttca gagtgtcg 168

<210> 5736
<211> 419
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316004c03b1

<400> 5736

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caacctcaag gtcaaggggc aggatggcaa tgaggttttc ttccgcatca agagatccac 180

acagctgaag aagctgatga acgcctactg cgaccgtcag tctgtggatc tcaactccat 240

tgctttcctt tttgatggtc gtaggctccg tggtgagcag acccctgatg agcttgagat 300

ggaggaaggc gacgagattg acgccatgct tcaccagacc ggaggggggct ctcctcgccc 360

ttagaaggag cttgctgcag cctgggctgt ctatgtcgta tgctaccttt agaactaga 419

<210> 5737
<211> 488
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316004c10b1

<400> 5737

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gcgggctgat gtcaatcttc ttgattaccg tggcaagcaa aacagagatg cagctgcggt 120

tcgccagagg ttttgtgaat tactccaagg cttcatccac gtcaagcaga tcaaattgaa 180

tatccgtctt cggaaaggtt tcaatgttac agccacggc gttcttcttc cagtcctact 240

caacatcgag tgcattgagc ttggtctcgt ctactcacca agttgcaagg aagcggcggc 300

aatgttgatt gcggagctac ttacctgctg tcctaagctc cgtgatcttc ggttcaacct 360

tatcaccagt tttgaagagg atggtcgccg ctctgaggga tctggaaatt ggccgacagt 420

gtgtctagag aaggatttca aggagtctgt ccgccgttca agcgccgtaa atgcagctga 480

tgtgcagc 488

<210> 5738
<211> 440
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316004c12b1

<400> 5738

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ttcggcggtt catcttcccg cctatctgct cgagaaggct gatcagtaca gatatcttct 120

tcctggcaac tgcatgagag aaagtgggta gcctccgctg tttgcatcaa gatgtgatgc 180

ccccttgggg aagagcgtgg cttagcggtt gtatttgata ccagtggctg gctgacttag 240

ttggatggcg gctgggttgg gttcatgatt ttgtaccatg taattcaaaa caatggaagg 300

agggcctgac agcatagcgc atgctccatc ggccgctgtg tgcttgtttt atttttggaa 360

gaggagctta gccacctgag tctctggttg attcattgct tccatgattg atttatgaac 420

tcagaaaatt attgtagatt 440

<210> 5739
<211> 519
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
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<400> 5739

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ctaggtaaca ccgaggaaga tgactcggtt gatctcttgc atcctgacag ctctgccagg 120

agttcagaat ctaggccttc tggtgtaatg gaggtgcagc ttgagcctct caccagatga 180

gtagtagaat agcgtagatc aatctgtatc tcccagtgtc agatacacac acacacacac 240

accaagtnct gttttcagtc atacaacaga aacagatggt gtccacaagc acggtgactt 300

tccgctcaga aagaaaattg aatttctcat gcttgtttct tctaccatgg cagaatggta 360

ccaggctaca taggatcttc aaattatgcc tttgattcct tgcgtcacac ttgtcagatt 420

gtatagtgta cattttggtt tttcacaata gacaggcaca atttgttaca ttgtccccaa 480

gtaatttctt tncccatcag attttgagag agagagaga 519

<210> 5740
<211> 223
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316004d06b1

<400> 5740

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gcccggtgga ttacgatgaa gatgaatcgt caagatactg ttccatcttg ggtgcggata 180

ttgcagtatt tcggacgata atgctaatga agctgcttat gta 223

<210> 5741
<211> 441
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316004d07b1

<400> 5741

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caaaagctgc tgtcttggct gacatggatt ctattggaaa ggaagcacag ctaagaggtt 120

ttgaattcgc caaagctgtt actcttgttg ctgaaccatt cacagtagaa aatggtctcc 180

tcacccccac gttcaaggtc aaaagaccgc aagctaaggc ctatttcgcg aaagaactcg 240

cagatatgta tgcacagctg cgtgacgccg aatcagctag gcagaagttg taattaatcg 300

agaaatgttc aggagtaagg ttcaaaccaa tacaggacag gttcacacaa cggagtaagg 360

atttctcgtt tgctccatga gcaggaatac ctttcagccg tcaacagtca ggagtggtgc 420

tgggtgtggg tatctcttat t 441

<210> 5742
<211> 257
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316004d09b1

<400> 5742

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tttgctttgg tcagaaaaac tggctccgca tttcatctgc ggtagtgtaa taaactgatg 180

tttcacagta cttgggttgt acttgtacgg gagacctttt tatggtactt gaatctgatt 240

gattaccttc tctgaat 257

<210> 5743
<211> 409
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316004d11b1

<400> 5743

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cgtccgccag ccgtcgagca agtacggtaa cggggcggtg tcgccggcga cggccacatc 240

catctcctgg cgccgcttct ggctcgtcgc gttcctcgcg ctcttacctg cgcgtccctt 300

ttacggtctt cttcacgggg cgcgcgccgt ccggggcggc gtcccggggg tccagttcgg 360

cgcggccggg gtcggtgcgg gcagcgtcgg gggcccgtcc gcgggcgga 409

<210> 5744
<211> 522
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316004d12b1

<400> 5744

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ttcccacggt gcgtatttgt gtgctgaatt cttgtgtgca tgctcgcata tgtcctgact 240

tctggcagat ctgatcttgt gcagttcgtt gcttgccgtg tccttccttg ggctaagcac 300

aacctgaact acaccgcgca agcgctcatc atatcgacag tcctgtgtcg ccggcttctt 360

catcaccgcg gataaaacca ttctgcgaaa cgcaaggcaa aacaccatcg gattggatcg 420

acgagtcgac ttgatccagg actgtacaga atcgcaggcc ctctgttcca tctatgatcc 480

atggatggtg ctgcatgagg agacgtcgaa tttcagtttc ag 522

<210> 5745
<211> 340
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316004e01b1

<400> 5745

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tggcttgcat gtagtattga gctatgtacc ctgctggtgc catgcatgct agttcttttt 180

gttctttgtt tctgtcgtcc cgtatgttgt ttcagcttgt aatttgtttg aatctaggag 240

agacttcctt agtgacatgt atcctatgaa tttggcgtgg cgccttggtt gtcaatgatt 300

ctacattctg actatttgtg acgaatgtat gggatgcccc 340

<210> 5746
<211> 160
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316004e04b1

<400> 5746

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gtcgccccat acacacctat gtaattcgag agtctatcta tgatctatta gcatacattg 120

gcataagtgt tcactttgtg gcaataatac ttatctaata 160

<210> 5747
<211> 222
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316004e05b1

<400> 5747

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ccgcggcacg atcccatgcc gcgactcctg gaggacccca ag 222

<210> 5748
<211> 381
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316004e06b1

<400> 5748

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cggcggcaac gcgcagaagt ccaagatggc gagggagagg aacctcgaga agctgaaggg 120

cggcaagggg agccagctcg aggccaacaa gaaggccatg aacatgcagt gcaagatatg 180

catgcagact ttcatctgca ccacctctga agcaaagtgc aaggagcatg ccgaggcaaa 240

tcatgctaaa agcgagctcg tccagtgctt tcctcacctc aagcagtgat atctgcccat 300

cagacagaga gagagataaa gagagagaga gagagaagct gtcataatcc acctactatt 360

atcatgttcc gcaatgactg a 381

<210> 5749
<211> 436
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsro9316004e08b1

<400> 5749

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gtgatcactc aagtcattga ggagaagtac ccaactccat cacttgttac tcctcctgag 120

tatgcatcag tgggatcaaa gatcttctcc accttcgtca cgttcttgaa gagcaaggat 180

gccagcgatg gctcggagaa ggcgcttgtt gacgagctgc aggcactcga agagcaccta 240

taggcccatg gaccctacat caacggggcg aacatctccg ccgtcgatct cagcctggct 300

ccgaagctct accatctgca ggtcgccctg gagcacttca agggctggaa ggtccctgaa 360

accctgacca gcgtccatgc ctacaccgag gctctcttca gcgcgagtcg ttcgcaagac 420

caagcgacca agagac 436

<210> 5750
<211> 288
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316004e09b1

<400> 5750

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cgtctccggc agccagtgca gaacaaccac ggagacgaca agcacccaca cataatgttt 180

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gaacagacca cccatagagc caagacctgc ctgtgtggat cattaacc 288

<210> 5751
<211> 204
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316004e10b1

<400> 5751

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acacaaaaaa aaaaaaaaaa gaacacaaaa aacacaaact cgtaaaaaaa ccaacacaca 120

aataacaaca aaaacaaaac ctaacactaa aaaaaacaaa acaaaaaaaa agaaacacct 180

ccctaaaacc aaaacagggg gggg 204

<210> 5752
<211> 540
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316004e11b1

<400> 5752

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gcttttgctg gtatgggagc taccctgtta gatggtgttg ttgtggaaaa gcatgggatg 120

gttgctgctg gagcccttgt aagacagaac acgaggatcc cttgtggaga ggtatggggt 180

cggaaaccct gcaaaatttc tgaggaagct cacagacgag gagatcgctt ttattgcgga 240

atcagctgcc aactattcca acttatccaa ggcacatgct gttgagaatg ctaaatcctt 300

ggaaaagatt gattctgaga aagtcctgcg caagaaattt gctcaccagg acgatgaaca 360

cgattccatg cttagtgtca ctcgagaggt ccctccagag ctggcgccca ccagtcctac 420

tcctccaatt aaactattct atcaccacct tcagtttgca ttcttatttc tctatctgtc 480

cagngagttt ggcagtctac ttttacttca gtaattttgg gtcgagcatt gtctaaagct 540

<210> 5753
<211> 417
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316004e12b1

<400> 5753

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acgacctgat gggggaggcc gagatcgacc tgcagcccat gatcaatgcg gcagcatcgt 120

ttggagatcc agaactgctc ggcgacatac agatcggccg gtggctcaag tccggggaca 180

acgctctaac cgccgacagc gctgtcatgg tgaccggagg caaggtgaag caggaggtct 240

ccctgaagct gcagcacacc gagtcggggg aggtgacggt ggagatgact ggggatggct 300

ctaaacattt agagaatccg gatatacgat ggcaaatttg tactttgctg caaaggatcc 360

attgaatcga ctttctggga aaaataataa tttctgctac tagtagcagg caatcac 417

<210> 5754
<211> 487
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316004f01b1

<400> 5754

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cgtcttgtta cgcgtccggc cacgcgtccg cccacgcgtc ctcccacgcg tccgcccacg 120

cgtccggttg aagtgtttga tgaggaaggt ctccatattc tcatgggcat ggcttttctt 180

acctatctgg agctaaaggt atcagagaca gccggcgtca tgactgtaag tagcaacggg 240

ttcaagctgc tagaggtgtt ccactacaga attaatgaag accgtttgaa tgaaggcgaa 300

gcaccaggga tagaatttgc agcaggtgct atgccagcac tccggcggct ccatcttttc 360

tggaacggaa attttgctag tgatggtgct gacatgggta tccagcatct ttcaagcctt 420

gcgcaccttc aagtggaaac taggtattat aatgcaacca tggaagaggt gaaggctgtg 480

gagggtt 487

<210> 5755
<211> 293
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316004f03b1

<400> 5755

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ttggttatct aatcctgcat agcgtacgtt gccgtccgag gctgcatgtg gtttgtcttg 120

agcttcgtac tactgtctac tagtgcttgt aactttcttt tcttatcccg gtctgctcac 180

tgcatgctag cgagtgatgg gtgtgtatgt gtgtactttg tgtacgctcc atgtgtaaat 240

tctcgtgtgt gtggtgtggt gttctcaatg tttaaccacc tactatggta aga 293

<210> 5756
<211> 370
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316004f07b1

<400> 5756

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gctgccctcc ggcgatcgtt ggcgtcgggg tatccggtgg ttccgaggga gaggagaagg 120

cggatgccgg ccagggtgtc ctgcgtcggc cgcggaggca gaggcgtagg cgggggattc 180

gccgacgagg cgcacctcag gtactacgag gcgccgccgc ggaaggcggt ggaggcggct 240

gccagggacc ttaccaagct ccaggccatg ggccttgtcg cctgcgaccc ggccaaggag 300

aagatcctct cggaagccac tgagctgctg ctaaaggagc tgaatcagat gaaggatgca 360

gaggacgagc 370

<210> 5757
<211> 467
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316004f10b1

<400> 5757

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ccagacactt gcgcacaaag cgtagaaatt ttgtatgagg ttaggggtgg agtagacatg 120

gaatttcaag ttccagttcc tttcaatgtt gtaccagttc aacagatagt tcctcagagt 180

ggtggagaag gccaagctga gttagttctt gattcttgta ttggtagttc cactgtgcat 240

gacccgtcta agatgtctgc tgagctttgc attggtgaat cttgcacttc tatgttacag 300

ctgatgaaga ggtatctccg attggcaaca actaatgcat catggactgc gaacaattct 360

tttgcagtct acccgtatta ttatggggct tactttactt cgggtgtgga tttgagtggc 420

accacaggct atattactgg tgattatgtg gggcttttgg cttcatg 467

<210> 5758
<211> 390
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316004g01b1

<400> 5758

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cccccgtccg gcccgtcaag gtcgacgccg gcgccgcgtc cggcgggaag ccgtgaagct 180

gaccggccgg aacaagggtg catccgtgca tgcattatct atgttattag gatataatca 240

catgtatcgc tcctgtatac tgcttccctt ccaattttct tgctctgaag atcagactca 300

ccatgcacac gtacgtgcat gtgcatgatc gagcgagctc ccatgagaag gcttatctcg 360

ctccctccat gaatttgcat gaagatcttc 390

<210> 5759
<211> 384
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316004g09b1

<400> 5759

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gatgcagatc ttcgtgaaga ccctgacggg caagaccatc acgctggagg tggagtcctc 180

ggacaccatc gacaacgtca aggccaagat ccaggacaag gagggcattc cgccggacca 240

gcagcgccta atcttcgccg gtaagcagct cgaggacggc cgaaccctcg ccgactacaa 300

catccagaag gagtccaccc tccacctggt gctccgcctc cgcggcggcg ccaagaagcg 360

caagaggaag acctacacca ggcc 384

<210> 5760
<211> 283
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316004g12b1

<400> 5760

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gccactcgat ccaatcacat tcagggagga aagattcaac cgactgcgcc tccgtgatga 120

acttgctgac tgaggccgcc gtcgccttcc gcggggaggg gaggctgatg atcctgcagg 180

tgtgggcgaa caacgtggag tcggagtgtg caggcgatcc ggcaggtggc agaacggttc 240

ccgtactgga tcatggacac ggcgctccct gtcgtgatcc act 283

<210> 5761
<211> 317
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316004h01b1

<400> 5761

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gcaagcgcaa ccatggctcc gattggcgtg tgcagcaccc tncccgacgg gcagctcgcg 120

tggttcgacg agagcgaaca gatgcaacag gtctccatcc actccctggc cgccggcaag 180

aaggtcatcc tcttcagcgt ccctggcgcc ttcaccccca cctgcagcaa tcaacatgta 240

ccaggcttca ttactcatgg ccgggagctt aaagcccagg gtgtcgatga gatcctgctt 300

gtcaagcgta atgaccc 317

<210> 5762
<211> 226
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316004h04b1

<400> 5762

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tttacctgtg ttagtgtact gcagttatct gttgttctgt ctagtctttc gagtttcagt 180

ctgtcagagt tagtgggtgt tggtcgtctg tcagtctaga tcgcga 226

<210> 5763
<211> 222
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsro9316004h07b1

<400> 5763

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agcggcgggc tcccagtgag gatcaagcgc gcttcgacgt cgggtgcaga cttcaaataa 120

ttactagtga taaattggga tgcgctaaca atgtacataa gtaggagata tcagtaggat 180

agttgtttct ttaataagaa aatcaacgct ctcatcatcg aa 222

<210> 5764
<211> 344
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316004h10b1

<400> 5764

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gggcatgcat ggtacctccg cacctgtcaa tggttactga atatatggaa atgggatcac 120

tgtactatct catccatatg agtggtcaga aaaagaaact cagctggcgc aggaggctga 180

aaattattcg tgatatatgc aggggattga tgtgcataca ccgcatgaag atagttcaca 240

gggacctgaa aagtgccaac tgtctggtga acaagtatcg gactgtcaag atatgtgact 300

ttggcctttc tcgagcgatc acagatagtc ctatgactga ttac 344

<210> 5765
<211> 285
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316004h11b1

<400> 5765

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ttctgcacca ttactacatg gcccaagttc cggttgtcgc tacgcttcac cgaggttctc 120

tcccttcttg atatatctga agacacggac gatgcctgat cgagggctga tcatggattc 180

ttgaggaagg aactagtaca ctaagatcgg atcggtaaat atatacatac atatgattaa 240

tatcattatc aattaatggc gctttatacc tgagttttct gtatc 285

<210> 5766
<211> 323
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316006a02b1

<400> 5766

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tactggggcg gcactgagca gattatacaa cgtcatcaaa catcctaatg cattggatcc 120

ggataatgcg atggcatatg acaattcctg atgcgctcct ggaaagatat gtcaatttca 180

tcgtgagagc accgatgcat ctcaggtcat tcccgcttgg gtaagaagaa cgccatcgaa 240

aaatgaccta gctgaggcca agactgtgca tcaacagatc tgtgcaatgc tcgagaagtc 300

cgacagcgag cttttaggcc ata 323

<210> 5767
<211> 367
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316006a03b1

<400> 5767

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ggataatgcg atggcatatg acaattctgt ttgcgctctt ggaaagatat gtcaatttca 180

tcgtgatagc atcgatgcat ctcaggtcat tcctgcttgg ttaagttgat tgccattgaa 240

aaatgaccta gttgaggcca agattgtcca tgaacagatg tgtgcaatgc ttgagaagtc 300

cgacagtgag cttttaggcc ataataatca acatcttcca aagattgtat ctacttttgc 360

agagatc 367

<210> 5768
<211> 163
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316006a09b1

<400> 5768

gaatttgcgg gtcgccccaa acattgggtt accaccgtct acccgcggcg tgaggggacc 60

atgaaagagc caggacctca gctgctgtgg ggtgaccatg atgggtgacc gtcatggcaa 120

cgggctgcac gatggctcca gggggccaat ggacttttgt gga 163

<210> 5769
<211> 197
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316006a11b1

<400> 5769

ttgtccaacg gcactgcgcc gcaagagctt acgatgactg aatcagcagc actgctgccg 60

gaggcaaaca cctgatgagt tcgcgtccga acaacaggca taatcatggc cctatggagc 120

cattgattct ctgtggagga gcacataagg gacgaggaac tgataggccg catactatcg 180

ctgggggaac aaccgaa 197

<210> 5770
<211> 281
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316006b02b1

<400> 5770

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gccgccaagc gtnaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120

aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 180

aaatgggaga aaaaaaaaaa aaaaaggggg ggccttttaa aagaaacaaa ataaacaacc 240

cggtgattgg aaaacaaaaa ttttttaaag gggcaacaaa a 281

<210> 5771
<211> 328
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316006b11b1

<400> 5771

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gaggatcaaa taagaaatcg tgtaccgaaa gcatgggaat ttctttcact tgttcataat 120

gttgttaata agtgctccca gacacacata ctggactgga tgacgtctct tgatgccttt 180

gcctaatgct tgtatctcgt cgttactgtc atgagaggct aaactaaagt aaataacacc 240

agtcccagtc cagtatatac tagtagttcg atgtgctact tgtcttattc agtgtttgtt 300

ctcccaaaca caaaaaaaaa actgatag 328

<210> 5772
<211> 312
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316006c09b1

<400> 5772

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ggtcttcccc tcatggtcac cgacttccgc aagcggatct tcggcgacca agataacgct 120

gccaccgcca ccaaagggag gttactagag atccggattt cgactgggat gcttgcattc 180

gcagttgcga cgacaaagat gctctcccaa tcaagaagga gcgagagaac aagaaagacg 240

gcgtagtccc accggcgaag taggcgctcg tagtgagctt atactagcgc ggttcctttc 300

caaacaaata at 312

<210> 5773
<211> 423
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316006c11b1

<400> 5773

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cagtatgcaa tcagggcatt tgctgatgct ttggatgcca ttccactagc tttagctgaa 120

aacagtggtt tgccgcctat tgatactctc accgtcgtaa aatcccaaca tgtcaaggag 180

aacaattctc gctgtggcat cgattgcaat gatgttggta ccaatgacat gaaagagcag 240

aatgttttcg agactctgat aggcaagcag cagcagatct tgctggcaac acaggtggtc 300

aagatgatcc tcaagattga tgatgtcata acgccttctg agtattgatg acgccttcaa 360

gaacggaatc gactgtgcta agtggcatgc actccattag tcagcatatt ttatatgggt 420

tga 423

<210> 5774
<211> 370
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316006c12b1

<400> 5774

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ctccattgct gctctgctcg aagatgaagc tctccatgca gtcgctggcc cggaagctct 120

ccatcccgtc gcccaagcgg ggcaagaagc accagcggca gcatgacggc ggcaagcgcg 180

tcatctcccg gagcgaggcg ccgtcattcg cgtctgcgtg ctactactgc accacctcgt 240

cctcctgcga ggacgcgctg ccgcgggcgt cgacaccccg gtcggtagct gcccgcggag 300

atctcgcggc agcagctgga ggccgtgctc cggcggctgg gccacgagga gccctccgac 360

gacgagctcg 370

<210> 5775
<211> 311
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316006d01b1

<400> 5775

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gaagttcacc atgggcacta cagtggtaaa cgagaaggtc aaggagatgg accagaagtt 120

ccaggtctct gacaagacca agtcggcgct ggctgcggcc gagcagacgg tgagcaacgc 180

cgggtctgcc atcatgaaga acaggtacgt cttcacgagc gcgtcgtggg tcaccagcgc 240

gttcggcaag gtcgccaagg ccgccaccga cgtcagcacg atgacgaagg agaagatgtc 300

agccgaggac c 311

<210> 5776
<211> 281
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316006d09b1

<400> 5776

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gtgacgactg ccgctactac tacaaggcgg gggccaggga cgccatcatc agggaaaacc 120

cccaggggcg cgccgccaag aacgcccgga tctgagcaac aggacacgac gtctacgcgt 180

acccggggaa acatgaagca ccgagaccac tctctgactg tgtctactga gaaacagtaa 240

aggcgtgcgc gagagcttct taaaggtgaa aaaaacggag a 281

<210> 5777
<211> 278
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316006d11b1

<400> 5777

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aacagtggtt cgccgcctat ggatactttc accgagatga actgccagca tgtcatggag 180

aacaattcta gctgcggcac cgatgagcaa tgatgtgagg tgccaaagac atgaaacagc 240

agattgttgt ggagactctg atagaggagc ttgatgac 278

<210> 5778
<211> 310
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316006e01b1

<400> 5778

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tctgtcttat caatcaatac tttgagagcc agagactgtg cgagtcggtt ttaggctgaa 180

ggcttgattc ggagtagtca agccggatgt ttttcctgtc tgccttgcct tgtctggtgg 240

gctgcaaact gtttgtgtga cattgatcta catcatgttg cttgccatgg atttgatgtt 300

ggccaaaaac 310

<210> 5779
<211> 160
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316006e02b1

<400> 5779

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caaggtaaga ccaggagaga tgggaacgcg gtctattgtg gtgctgggcc tggcgagggg 120

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<210> 5780
<211> 183
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316006e04b1

<400> 5780

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aaagattgta ttattagaaa cttcatacaa ggcctggctg tttgtattac cgtcgctttt 120

tgcggaactt gtgctataat tgatttaaga agtgcatagg ctaaaacata aggagcacan 180

ant 183

<210> 5781
<211> 296
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316006e06b1

<400> 5781

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gcataccctt aagttatgtc tatttatgtg atagatctga agatggagcc cagaatttca 120

tgtgttttct ttctttctgt ttgcaccttg tggccccgct agtttgcggc gtttaagttc 180

ttgtatgctt tctcatgtat actagtatgg atgaatcaat caagggcccc atcaacttgt 240

gttgttcaaa agctgaaaga ggagcttgat gacacgaggc ctaagcttgg cactag 296

<210> 5782
<211> 394
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316006e09b1

<400> 5782

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ctctccagca aattcggaag ctgccagaat gttcagcgag aacaagcgag agtacaaccg 120

caaagtccgc gagatcgtgg agcagagctg gactgctgac taaggcaggg cgaggcggcg 180

gctgccagaa agttgcaata agcaaccatg aaacctttgt ttatggctct ctatagttgg 240

ttcttagatg aaatattaaa catctccagt gattgcttgc aggtcaaacc gtcaaagtat 300

ctttagtctc cgtggtaatt atgtgttatg tctcgtggca ctgctctcat atgttgtgtt 360

gatcctgcct catgaattta ggggcatcct atgt 394

<210> 5783
<211> 412
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316006e10b1

<400> 5783

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gctagccagc ctctgccact ccgggcattt tcttgcatcc acgacggcaa tggccaccgc 120

tgatgtccag aacccgacgg ccgcgctgac ggaggaggcg cccacggtgg agacgcccgt 180

cgccgccgag gaggtcgcga agacggagga ggcccccgcg ccggccgagg ccgaggtcaa 240

ggcgcctgct gcccccgtcg aggtcgagga gaccaaggag gtggcacctg ccgccgctga 300

gacggaggag gccaaggagc ccgagccagc agctgcggcc gagccggagg ccgaggcccc 360

caaagagaca gaggcgccag ccgtggtcga gacagagacc aaggaggccg tg 412

<210> 5784
<211> 435
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316006e12b1

<400> 5784

tcggtgtcag actaccattc ggaaaagcct catatactgg actacagtaa atatccagat 60

atcgatgagc agaggcgttt cgtgaagact tacctgagca cttctcgcga ggaacctgaa 120

gcggaggagg tggagaatct gctccggagc gtggagaagt acacgctcgc gagtcatctg 180

gtttggggac tctggggaat aatatcggat cgtgtcaacg acatcgactt cgattaccag 240

gagtacgcaa ggcagagatt tgagcagtac tggcagaaga agcctgccgt cctaacctca 300

tgaatagctg tacctatggc tctaggaact ccctgagggc ctgtgctgct gcacacaaac 360

tgtgcagtgt tactaacaca catatccnct ggctgggata atgacaggaa ggatatgaga 420

gaagcatact attac 435

<210> 5785
<211> 247
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316006f02b1

<400> 5785

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gatagataaa ccaagaagag aaagagaacg aacaactagc aaaaaacaat ggacataaaa 120

agggggtgcc tctctgggga ggccaacatg acgaacgatg aactgaaagc ccagtctctt 180

tttattgggt gaacaaatga aacttaatgg gaggctgtct gaaacgaaag aagaggggaa 240

accccgg 247

<210> 5786
<211> 330
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316006f04b1

<400> 5786

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aatgtaagac gcttttgcaa cctattttgg gacggaggga gtattcgctt gctactacta 120

cttggtctgt atactgtagt agtgcttctg ccctggatgt gatgtataaa ctgcctttgt 180

ggccagataa gataagtctt tgaattctca tcggacaaag ttatcgtccg gtgcatgtgg 240

tggagaagga caggtttgga ataaaagttt ctacagtttc ttcctcggta aaaaagacaa 300

agataaaaaa cgaagagact gagaaaaccc 330

<210> 5787
<211> 392
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316006f10b1

<400> 5787

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gccgtcactt tactcgccgc cctggccgcg cgatccgacg cggaggtcat caccctcacc 120

gaagagacct tctccgacaa gataaaggag aaggacacag tatggtttgt gcaattctgc 180

gtcccttggt gtaagcactg caagagccta ggaactcttt gggaggacct cggaaaggct 240

atcgaaggta cggatgaaat tgagatcgga gaagttgatt gcggtgcaag caaaccagtc 300

tgctcaaagg tggacattca ttcataccca acattcaagg tgttctatga tggcgaagaa 360

gttgcaaaat ataaagggcc tagggacgta ga 392

<210> 5788
<211> 254
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316006f12b1

<400> 5788

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ctgagtacta accgtggtta ggcttggtcc gctcaacttg catgatgatg gtccctccac 120

gccattggat gtgtccggag gagcacatga gaccagaaaa gctgctggtc gcgctacttt 180

caatggcaac acgcctgagc caaccatgga cctctgcgga tacgaaagga gagactggga 240

ctacgatgat agca 254

<210> 5789
<211> 434
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316006g10b1

<400> 5789

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cagaagatct ggctgaattg gaagcaaagc tggatgcgga ctttaagact aacaaagggg 120

aatcgaaaaa taaatcaaag gcaactgaag atacaaagaa aaagcaaagg ccatttctca 180

tgcagttctt ctcgccaatt tttataaagg cattttccat cactttcttt ggtgagtggg 240

gtgacaagag ccagattgct acaattggct tggctgctga tgaaaaccca ttcggcgtcg 300

tcatcggggg agtcatagct caagcactct gcactaccgc tgccgtgatg ggagggaaga 360

gcctggcctc tcagatatcc gagaagatgg ttgaattgtc gagcggngtg ctattcctgt 420

tgatcagcat aatg 434

<210> 5790
<211> 388
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316006g11b1

<400> 5790

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gattggaatg gaatgccaga cagactcgca aggatgtatt ttgtgctatg ttctttaagt 180

actgttgcct gttgggtagc tggtcgggtt atcttgtacc ggcgtagtcg tggggagcag 240

catcggattt acctggtttc tagtcttatc atggaattta ggggctttgt gcaaatctcg 300

gctttgccct gcggattgct tgtatgctag ggttgtgttc agctacaaaa tgctggccgg 360

aagtacattt tgtggattcc aattaaat 388

<210> 5791
<211> 361
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316006h03b1

<400> 5791

gttcatttcg gtgagcgggt tcaacaagac ggggctgccg ggcgccatct ggaacttcat 60

ggcgccctac tccaaggtgg acagcgccgg cggcatctcc gtgctctgcg tcatcatgct 120

actgctcttc aacctggcct gcaacgtacc aacagtgctg ctgatgggga acgaggtggc 180

gaccgcagca gccctgatct cgccggcagc ggtgacgcgg ccgtggctgc tgctggcgtg 240

ggtgagcacg gcggcaggga atctctcgct gctggggtcg gcggccaacc tgatcgtgtg 300

tgagcaggcg cgtcgggcgc cgcgtacgcc tatgagctca ccttctgaac cacctcatct 360

t 361

<210> 5792
<211> 302
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316006h05b1

<400> 5792

tcgtttacgt tttcgcccac gcgtccggcc acgcgtacga ccacgcgtgc gcaaaaaaaa 60

gatgataaat gaccatgaag agaaagagaa caaacaaatg aggaaaaaaa tggacataaa 120

gagacattga taatatgagg aaggagaaca tgacaagggg gggcctgttt ggaggactca 180

agtttatggg cgaataaatg aaaccgaata gtttttctat gggggaccaa aaatgaaatg 240

aactggccgg ggtttaaaaa tgaaagaggt gggaaaaccc tggagtccca aatttaaact 300

gg 302

<210> 5793
<211> 459
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316006h07b1

<400> 5793

tttcgttcac gcgtgcggcc acgcgtccgg tgccaacaga tcggttaaat caccccaaa 60

acgcacccac caccacaact ccggcggcgg cgaccagacg aacacgagca ccaaggcgat 120

ggcgactgct ctcaaccgcg gcctccgctc cgggatccga ctactcgcca ccggcgccga 180

ggtctccaag ccagcttcac gtggattcca tgctaccggc gtgaagagga tgtcagggca 240

cggccatgat gagccatact acctgcacgg ctagcacatg tacaacttgc acaggatgaa 300

gcatcagaag ctgactgcat ggacttcggt gctgggagcc gtaagcattg gtatcggtgt 360

cccggtcttc gcggtcgtct tccagcaaaa gaagacctac tacgatgagc tcacataccc 420

tcccagggcc tacttattgg acctattttg aattagcat 459

<210> 5794
<211> 312
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316006h08b1

<400> 5794

tttcgttcac gcgtccggaa gacaatgcgg ttggctctca aatcgacagg aaaaaagagg 60

gctgcacctg atgacgacga cgacgacgag attgagatgg accctgaagg ccgtatgatc 120

attcgcgaag aacgggaatg gcgtaaaaag aaacccgtcg tctcgcatga ggaggaggct 180

gatgacaaga cctctgtcag aagccagtcg gtgaagagga ggaaggtggc cagcactggc 240

tggtcctaca ccggccatga gtacaccagc tagaaggccg gcggtgatct caagaagaaa 300

gacaagatgg ag 312

<210> 5795
<211> 193
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316006h09b1

<400> 5795

cttacgcgtc cgcggacgcg tgggccatcc cagaagacag gactggaagt gtttagacgg 60

tcctgcccca atgtaaaata ttcaagtttg taaatgctta tataatgcgg acatggagca 120

tgtgatcccg agctggggaa aacaggacca aagatgaact gattgcccgg ctgctctcga 180

ctagagcaca aac 193

<210> 5796
<211> 185
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316007a04b1

<400> 5796

ttcttgtacg cgtgggggac cacaacccga gcgggggcgg tttagcaaca ccaccgccac 60

cacaccggtg ccaaagaagt acgcgctttt tggggtaacc tagaaaacca acggcaggaa 120

cctaacaacg gccactaccg ggaaagctta ggccagggac ggcaccgcgg atggacctca 180

ccaag 185

<210> 5797
<211> 139
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316007a05b1

<400> 5797

tgctacgcga ccgcccacgc gaccgcccag gcgtgctttt acgcgaccga tttttcgtca 60

tcacagagaa aagaaactgt gcttgtgttt taaaaaaatt caaacaccta ctgcaatttg 120

gtcaaccaca aaaacacta 139

<210> 5798
<211> 374
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316007a06b1

<400> 5798

ttattacccc ataccaagct catcccgggg tcttaaatct tttgggttca cagatccgga 60

ggatgtcttg aactgaggat cccgctgcag ctgcggctca aactgcaagt gcgggaagat 120

gtaccatgat ctgacggagc agggcagttc tgccgtccat atatgccgcc gcactcgacc 180

tcagagcgag gcctgagaac aaggcggggc agatcgtggt ggccgtcggg caagccggcg 240

agggctgcaa gctgcggcga caactgcaag tgcaacccca gcacaggtaa gctggatgca 300

ctcacaccaa cctgtgttgg tgagagagta tacgaacata accagacgtc gaatcttgat 360

cgaaacccat ccac 374

<210> 5799
<211> 241
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316007a07b1

<400> 5799

tcttggtcac ccccggcgcc cgggcgcccg agggggaccg tatacaggta tccgcgccaa 60

tgcccgcggg agagaggcga ccgggtgcga ccgaggaagg cctaccaata cgaccaaccc 120

gccggcgaag atgctcggac gcgaccccaa gaagagcgaa aacaccgaga gcccccaggc 180

gctcggggcg cccacaaacg ccccccaaga acaagctcaa caaggcctac cgcacggccg 240

g 241

<210> 5800
<211> 150
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316007a12b1

<400> 5800

tttaacaccc caacccacaa ccagcagagg aggagaataa agagagagac cgagagaaag 60

agcccacaag ggcggaggcg gcggcgcacg ccacaaaggg ggcaaacacg accggcacga 120

gccaacggag ccgcgacgag aagaggacgc 150

<210> 5801

<211> 183
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316007b01b1

<400> 5801

tctccacgcg tccggagctt tctacctatt ggatttattt tagttgtatg gtcctgatgt 60

gctctaggaa ccactcttga tatcttcggt ttgtgaacct ttttgcgacg ctgagatgga 120

gctgtcatac agataatact tcatatggat gtactgatgg acattcatgt ggattatgtt 180

ttt 183

<210> 5802
<211> 635
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316007b04b1

<400> 5802

gaaaaaggag aagaaaagaa ggtacagaaa aaaagaggga gaaaaaaaat aaaaaagaaa 60

aagaaaaaaa aataaaaggg ggagacagaa aaatttnggg aaaacacaaa gaaagaatga 120

aaggaaaaaa aaataaaaaa agaattttta aaaaaaagag aaaaggaaaa gaaaaggggg 180

gaaaaaaaaa aaaaaaagga gaaaaagaaa aaaagagaag gagaaaaaaa aaaaaaaaaa 240

aaaaaaaaaa aagaaagaaa agaaaaaaaa aaaagaagaa agagagaaaa aaaaaaaaaa 300

aaaaaaacgg aagagaaaaa aaaaagaaaa agaaggaaaa aaaaaagaag agaaaagaaa 360

aaaaaaaaga agaaaaatga aagaaaaaag agaagaaaaa aaagagaaag aaaaaaaaaa 420

aaagaaagaa agaaaaaatg aaaaaaaata aaaagaaaaa gatagaagaa aaaaaaaaaa 480

gaggaaaaga aaaaaaggag aaaaagaaaa aaaaaagtga aaaaaaagag agaaagagaa 540

aaaaaagaag aacaaagacg aaaaatagaa agaaaaagaa agaaaagaaa agaaaggaaa 600

aagagaggag aaaggaaaaa aagaaaaaga aggaa 635

<210> 5803
<211> 78
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316007b08b1

<400> 5803

ttaatgacca cacccccgat gggcaggtga tagggaaaaa cttggaaacg ctgccgcgaa 60

aactcaacgg cttcaaaa 78

<210> 5804
<211> 327
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316007b10b1

<400> 5804

ttttgacccc accaccacct gtacgtatag cggagattat ttaactaata ttacgatgag 60

aaacaccaaa taatgcaatg catgaaagcc caatcaccat tatgccgaca caaagcagaa 120

tagtacagcg ggctttggaa gtggagagca cagaacacac gccactgccg agtgctggtc 180

cattcagaca cctgaatggt ttgcaggaga cactcaatga acggggctct ggccggttcg 240

gggcgtctac taggggggac ttcagagaac accatgattt agcaaattct gcgttcaatg 300

gggcaactac cttgacacaa aactttg 327

<210> 5805
<211> 296
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316007c01b1

<400> 5805

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gccaagaggc gcgctgtcct taagattggc cctaccgacc catacaagct tcattgacca 120

gaatgctcac ggtctggctc gttatgccat tatcttgcca cgagaatggg ctggcgccca 180

ttgttgagct tgaaatcctt tgtgatggac cctcatgaca ttgaccgctg tgcttatgtg 240

accccgatgg cactgctgcc tgctcaaggc tctcaacgac cagtatgtcc tccttg 296

<210> 5806
<211> 98

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316007c03b1

<400> 5806

tcgtaataaa aaaaaaaaaa aaaaataaaa aaagggatat tttaagaaaa aaagaccaaa 60

aaaacccagc attaaacgag tcaccatacc taagcaac 98

<210> 5807
<211> 320
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316007c10b1

<400> 5807

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gaagagctcg gtcaccaaca ggatcatcac ggccaaggac cacgcctttg ctcagatcaa 180

cataggtaat gcagatgaga atggactgta tgatggccgt ttaaccacct tagctctgaa 240

tgggctcgtc cggactcagg gagatgctgt tggtaccctc gacaggccga ggcagaagag 300

gaaggctgag atcaagcaga 320

<210> 5808
<211> 427
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316007d04b1

<400> 5808

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tctcaaatgc aaacctgggt atcatcagga ggctcagaag ttctatctca tacattgacc 120

cgtcatatgg agattttgca agaccttacg caggaattct atcggcttcg atctagtctc 180

agagtgaagc aacagcatgc ttctctcctt gacttgagag actttgacag agcaaagttt 240

gacgtggaag agtctgggga ctcagaacaa gctcttctta gagaacaagc tgcaatcagc 300

aggaattctg gacaggtgga cactgtgata tcacaagctc aagcaacact gggcgctctc 360

atgtnccaag cgncaacgtt tggtggcatc actaccaaaa taagcaacgt cagcagcccg 420

atcccca 427

<210> 5809
<211> 388
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316007d05b1

<400> 5809

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ccggcagcaa ggcactgctg ctactcctgt gcgcggcggt ggtgctgctg accccggcct 120

ccgaggggga ggacggtctg accaagttca agctgtattg gcacgacgtg ctggcgggga 180

cgagcccgac cgcgatccgg attgcgcagg cggagtgcag caacagatac tccaccttct 240

tcggtgcgga ggtggacatc gactacccgg tcaccaccgg ccccgccgtc acggggctcc 300

gccaaatcca aggacgagat cggtcgcacg caggggacct acacgttcgt cgaccaggcc 360

accttcggtc tcctcatgaa catgagct 388

<210> 5810
<211> 382
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316007d10b1

<400> 5810

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tggagtccct tacgatcaat gtgaaatttt gaaccagttg catgatgtct taccccgtat 120

cttttaggaa gttttttgct caaaccagct gttgctgtcg gtatgcagca tctgggtgca 180

caaaccagtg gtggatcagt gtgaaagatt gttttatgtt tctcatcaat gtgagattgt 240

tctatgctta aaaaaaaaaa aaaaaaaaca ataatttatt ataattaaaa cataatataa 300

gttaaaatat tttgtcttgt aaatacttat ttttcttaaa aatcaggggc ggctcttcta 360

atggatccaa gttttttttac cc 382

<210> 5811
<211> 349
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316007e04b1

<400> 5811

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tacacaggcc actaaagctt aggagatcaa ggacgaagag atggcggaga gcaaggacta 120

ccttgcctac tacttattct agaagagctc attaccactg atgaacagca cggatcacat 180

tgttctattg cacgcacaat tttgatgcct tgcccacagg gtacgcgaac ctgcactagt 240

ttgatagaaa tgggatgcat gtgttacttg ctgtgcatgc gatgatttgg ataaactaat 300

atgcactaac taatttccta aataagatgt aggcttgcca gcttacaat 349

<210> 5812
<211> 152
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316007e12b1

<400> 5812

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ccaaaggccg aggctggccc aggaatcgcc tgacacctga caggaatcag actagcgtct 120

ggtacaccag aggctcgccc gggctcaacc aa 152

<210> 5813
<211> 304
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316007f02b1

<400> 5813

tccacgcgtt cggtgtcgct gcgaagcgcg caggccgttg gcggattggc gctcctcacc 60

gcggaggctc tcgtgccagg tcagatatgc tatgacctga aggtgagggc tcatggtcgg 120

cgcacggcat gtgaggtgga gatgctgttg gcctgacggg gtgtggcaga ggagatgtgg 180

cctgatctgg tgggggcggt gtcagcggta ggtttttctg ggttctcacg ttcaggtagg 240

tggctgctct gttattgtta gatcaatatg gagtctttgc gagcatctag ctttctgtca 300

ttcc 304

<210> 5814
<211> 237
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316007f03b1

<400> 5814

tctgntcatt tacatgtact catctacact gtgcaatcta tgtatgatac aggttacaga 60

cactgggaga tgacctccca ccaattgacc accacgttta ttagatcaaa ggagtcaaaa 120

ctacaaaaca caggatgatg ttgatgagta catttacatg taataatcct tatgtttgca 180

caaagtgaca gttcatgtac cttttgacag caagttcaag gtgttgccat tcttcgg 237

<210> 5815
<211> 51
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316007f04b1

<400> 5815

tttattgcac gagatcgcga gcgccgctca tgggggtttt tttaggaacc t 51

<210> 5816
<211> 324
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316007f06b1

<400> 5816

tgagatatat gagttgtgac aataattgat gtaaaatggt ttgtcagttc aaactgcatt 60

agtccagatt gcagcaattc gaactaccat tcactgttgg aagtcttgaa aacatgttgt 120

taaaaaaaaa aaaataaaaa aaaaaaaaaa aaaaaataaa aaataaaaaa aaaaaaaaaa 180

aaaacaataa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa tataaaaaaa aaaaatgggg 240

ggccccttttt aaagaatcaa aatttccttc cccgggcttg aacaataaat aatttttttta 300

tgggcaacca aaattaaatt aatg 324

<210> 5817
<211> 252
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316007g04b1

<400> 5817

ctttataccg catgctgccg gaatggtgcg ggggcccatg atccagaact aggcctggtc 60

ctccaaccac acggtgatca gcgtcgaaaa ccgtccccac ctgcccctag tacaggctgg 120

actagcaaag aaagagagcc cgaagactca cggctcttag gcaacacaca aatgctcgtg 180

tgctgacacc gaagcctgga agtacgccga tacttggcat agtgacacca aagaccatct 240

gaaccgctag aa 252

<210> 5818
<211> 319
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316007g06b1

<400> 5818

ttgttaaacg cttctctcga acctttcga tggggcaggt catgctgttc ccgcagttcg 60

gctcaagcag gagatgcatt ccatcaaaac tgaacgggtt gctcgcaagc tttcgcatgg 120

cgaagatgtc ttcttgaagc ccggccaggt ccgactgaac tggaccgctg gaccggaggg 180

tgacctgaag ccgtggtagc aactctcgca tggcggttag gagatgtata aaaacctact 240

tgaaaataaa cattgtcaga ccttgaatac tttgcgcctt tataccacca tggttgcaca 300

gtgctgacca taagtcaaa 319

<210> 5819
<211> 485
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations

<223> Clone ID: uC-tsro9316007g07b1

<400> 5819

tnctgaagaa agcctcggcc accggagctg ctgcaggtct tctatcgagt atggacaagg 60

tgctggcctt ctccatcctg agcgcctcgg ccgccgacat cgcccccggc gccggcaaag 120

gcggcagctg ggcccggctc tcctggcggg ggaggaagct gcaggagggc gaccgggcag 180

gagcagagca ccaagggaag cagggaggcc tgccgcggga ggcagagcaa cagccgggca 240

aagggaaatc gcagtcgccg tcaacgttgc cgccgcggtt tgcgccggag tttgatggga 300

tcgactgctt cgagaccatc gtgtgccatt gatcgctgat gaatcgcgat ctgctcgtgg 360

tccagccggg cgtgtggcta cggactgatt ctttctccgt ttgtcggccg tacgatcggc 420

gtgttcatac gtttcttaac ttgtgcttct aactgaagcc ggatgcttga cagaatacag 480

agtta 485

<210> 5820
<211> 273
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316007g08b1

<400> 5820

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gaccaatcaa gaacatgtgt gaaaattttt cccggaaggc aggggaacaa gaatactgga 120

ggtgccaacg atctctcgga cccagacctg aaaaacacta gattctccgt caacgcactt 180

gctagcttcg cggtgtgcat cacctactaa gcacgactgg atccaccaaa cggcctctgg 240

caagatgatc tagatgggca aaagactgga cac 273

<210> 5821
<211> 434
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316007g11b1

<400> 5821

tttctcccag atgcctaccc tcctaacctc acccgccttc ctttactact ccccgctcca 60

cctcgcctac cgactaggag gagccgccgt acgaacgacc tccaaccacc accgtcggat 120

cctcgccccc gatccccaaa ccgcgccgag gggcaccacc accggcggcg ggtacgctga 180

gatgagctgg ctcgggaagc tggggctggg gggcgggggа agcccgcacg cgtcggaggc 240

gacggaggag ctggcgcaag ggcccgacga ggacaagccg acgcccgggt gcgagatcgt 300

gcagttcgga gccggctgct cctggagcga agagctggtg taacagcgcg tgcccggggt 360

caccccgacc aaggacggat acagtcagtg cgcctttaag accccaccta caggacgttt 420

gaccggagcc accg 434

<210> 5822
<211> 419
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316007h02b1

<400> 5822

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ttagaatggc ggcctactac agcgccggca ggcccatgta ctactccaac accgaggagt 120

ccttcgacgg cggcaagacc gtgtactcca ccaccaccga ggagtgctac gacgctggca 180

agctcggcca tggtaccggc tacggccagg gtcagagcta tggcaatggt gggaccaaca 240

tgtactccaa caacactggc gtcgactcca gcatgtacgg gcatggcggt ggcggcggtg 300

gcaggaccgt gtacaccacc accaccgacg agtgcttcga ctccgtcagg cccgggtatg 360

ggcagggcca cggctactgg cacaacaacg gtggggccat gccgtacacc accaccacc 419

<210> 5823
<211> 421
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316007h07b1

<400> 5823

actgcgtcgt ccacgcgtcc gcccacgcgt ccgaaacgga tcgtctctcg attgttcgct 60

cccgagcacc gacccaaccc tagatctcgc agcagcaagc gcgaagccga cgccatggcc 120

aagccctggg gcggcgacgg cgcctgggcg ctcgacgctg agcgcgagga ctaggagcgc 180

gagcacgccg tggactttca cgcgcccgac ccgtccgacg acgcgggcgg cgccgtcagc 240

tttcccagcc ttaaggaggc cgtcgtagcc ggcggcggca agcagaagaa gaagaagggg 300

accacccttt cgctctacga gtttaccacc tacggtgcgg acggtgcgcc tcgccgagta 360

gtccccgccg agcccaaggg cctcaccccg catgagatga tgatgctccc caccggcccg 420

a 421

<210> 5824
<211> 270
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316007h09b1

<400> 5824

cattaacgac tctgcccgtt gcccgaattt tttgttcacc accggcgata cggagcgtga 60

ggggaccttg attcaaccag caccgctgac gcccgcaggc tgacccagaa gagtttcggg 120

ttcgaacaac tggcccactc atggcccctc ggggccattg catttctgcg gcaggaggtc 180

ctgaccaatg atgaactgta agcccctctc cactagctgg gagaacacct gaaccgcgat 240

gataccctga ccgggacgaa agaagaactg 270

<210> 5825
<211> 83
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316007h10b1

<400> 5825

ggggacgcgc cccagaacgg cgcaccaagc gcggcggctg tggcgagcac ccacagagag 60

accaaaacac tagacagacc cac 83

<210> 5826
<211> 430
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316008b02b1

<400> 5826

tttctgacgc gtgggcgcgt gatgatggag cagctgctgg atgcggcaaa gaagatacat 60

ggagccggca tcatccatcg ggacttcaag ccggagaacg tcatggtcgg cttcttcggc 120

gggctcaagg ttggtgactt tgggtcggcg attcgggcga agccggccag agtgccctat 180

gaggagtgtt gtgtcggcac cctgatttac acatcgccgg agcagctgga aggcaaccgg 240

tactagggcc aggccgtgga catgtgggcg cttgggtgca tcatggcaga gatgttggcc 300

ggcgggaccc tcttcgtggc ggagacagag gaggagctgc tcgccgagat ctacaagctg 360

cgagaccaga tcacttctac ggggaagctg gatttggagt tcttggagga gctttcagaa 420

gccgggcatg 430

<210> 5827
<211> 306
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316008b03b1

<400> 5827

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agtacggttg atgctgctca ctgaccctga tgagggcccg tccgggcaac tggcgttatc 120

atggggcttc cgtgccaaag gatgaattgg gaggaggcca tgactaaaga ggaacagaac 180

ggcccccctgc tgtcggtggg agaacaactg aaccaggatg tcagcctcac ggggacgaaa 240

gaaaaactgg ggcttcttac gccagagctt aaataggcgc ttggcgacac taggcctaag 300

cttggc 306

<210> 5828
<211> 513
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316008b05b1

<400> 5828

ttgttcacgc gtccggttag tgctgaagct atgttgactg ctttaaatgg tgtggcctct 60

tcaagtaaaa atgattcaaa ggatgatgag tgggcatcct cagatgatga tgcagatgcc 120

atggaacagg atggtgactc agaagctgac agatcatcag tgagtttcaa agagcatcgc 180

cgcaatcact acgatgaatt ccgcaaggtc aaggaactga tgcgcactgg atccctggtt 240

gaagacgagg cccgtgcgaa tgagcgagct gcaaacaacg tcgaggacaa aaccgcagga 300

gagaaggcaa caggtgacaa gagtgaatcg tcagcatcac ctcaagtatg agccgcaaag 360

tgaattctgt ggttgctaag cctagggaag ttcaactaag cgggagcatg cagtttgcgc 420

ctgctctgtg tgtattgctg gatccttgtt ttcataccag atcngatgat tttctgtacg 480

caaagaaacc tgttctcttt cttattttga gat 513

<210> 5829
<211> 482
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316008c01b1

<400> 5829

tcgtcacgcg tgcgggtgaa tccgatcgac gggggagtac aggagaagcg gggggtttcc 60

agaggacata cctgatggag aacaacagga gcaaccagca ggctcctgca ccaccgccag 120

ggtacccaac ggcgggtgcg gagcaaggcc aagcgggcgg gaagaagggg ggccgggcga 180

gcaccaaata caggggcgag aagggcttca tcgaggggtg cctggcggcg ctgtgctgct 240

gctggatctg cgagatgtgc tgcgactaac cggacggcga cggcgaggtt cctggcacaa 300

ggcctcggtg ctatcgtacc cacgaggagc gtatgcgtat acagagagag aattgttctt 360

aatttcagtg cccgctgctt taggttctac atatatactc ctaaggtgat gcacgcatga 420

tcagtactgt acccgcctac ctgtgagcgt gtgtgagata tttcatgtat acgtccgtgt 480

gc 482

<210> 5830
<211> 509
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316008c04b1

<400> 5830

tcgttttgcc gaggcgaatg ctggggacgc tggtgcagct gccggatcaa aagactacgt 60

tcatgtacgc atccagcagc gtaatggtcg caagagcctg accactgtcc agggcctgaa 120

gaaggagttc agctacagca agatcctcaa agacctcaag aaagagtttt gctgcaatgg 180

tacagttgtc caggacacag aacttggaca ggtcattcaa ctccagggtg atcagaggaa 240

gaacgtctca aacttccttg tccaggccgg cattgtgaag aaggaacaca tcaagattca 300

tggtttctga acaactgcca gctccatatc agagtctaca tgcaaagcag ctatatattg 360

gtggtgcagt atatttagtt gtgtgctagc gcaagcaggc gttaccagct tgcgcgctct 420

gagtatacgg aaaatctagc atagcccacc tctctgcgtg tatgcttggt accctngtgt 480

tgaaaacttg aagggagcac catcgtaga 509

<210> 5831
<211> 435
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316008c05b1

<400> 5831

ctgctcacgc gtccgaaaaa aaaaaaaaaa aagaaaaatt taaaaaaaaa tgggggtcaa 60

aaaaaaaaaa aaaaaaaaaa ataaaaaaca aaaaaaaaga aaaaaaaggg ctggcctttt 120

atgggtccca aatttacttt cccgggctgg gataaacaat gattttactt tgagaaccgg 180

tgggtccctt taagtggccc ggttttcccc ccccccccct ttgggaaacc tcgttttttt 240

cccgacttaa acaactttga acccccctccc ctttttcccc actgggtgat tgggaaaagg 300

gccgcgcccc ctacttttac ataattttgg gccttctttt tgttacttgg ggcgcacctt 360

ttaggggtgc cttagccctg ccctttgcta ctgtttctcc ccctcttgcc tttctttttc 420

ccccccttt ttccc 435

<210> 5832
<211> 364
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316008c08b1

<400> 5832

tcttttgccc tgaggaagat gtcgctcaac aaggccaaga ggtaccttga ggatgtgttg 60

gcacacaagc aagccatccc cttccggagg tactgccgtg gtgttggacg cacagcccag 120

gtgaagaacc gtcagcccaa tggtcaggga cgctggcctg ccaagtctgc taagttcgtt 180

ctggatcttc taaagaacgc tgagagcaat gctgaggtga aaggtcttga tgttgatgct 240

ctctacattt cacacatcca agtgaaccag gcccagaagc agcggcgccg gacctaccgt 300

gcccatggac gcatcaaccc ctacatgtcc aacccatgcc acattgagct gatcttgtcg 360

gaga 364

<210> 5833
<211> 440
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316008c09b1

<400> 5833

ttctggccgt ttgcccccac tggcggtcta ggtgcgtctg cccacgcggc cgtggtgttg 60

tcgacccgcg ctttcacccg cgccggtgga tgatgctgcc cgagggccac ggcctgtatc 120

ctggccacgg caggctacat gggtacatcc gctttatcaa cctctccact ggcgccatcg 180

tccgttgcct gctcccgctt ttcagagatc actgcatcct cgactcggtc gatggtctcc 240

tcctcttgca acgggacgaa gacaccgcca tccgcctcct ccacccattc actggagaca 300

ttgcagagct gccgccactt gcgaccctca tgcgtcttcc tggagccaag aaaaatgttg 360

aaatggtctg gacgtatctt agaaacatcg gtgccacgtc tgtcagtgtt agtgcagctg 420

gagtcatcac ttgcatgatt 440

<210> 5834
<211> 493
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316008c10b1

<400> 5834

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ccccttccaa gcacagaagg cggcacctac cagagcctag atccagtcca gcctcccatc 120

gccccgccat acaaaactgc attggagatg aagaaggcgt ctagccacgg cgctggcaca 180

gataccagca aattatctct tgacccccaa acaacattat agcttcagct tatgctcatc 240

tacccaatcg ccacatggaa acatatgaat catcctgcag tgacgttcag cacatgttgc 300

agagtagatg ctgaagttga agctgaattt tggttattca tccaatcttg aaggcaatag 360

catgtggaag agatggtata aaccgagggg tatgcatgcc atgggctaag caaactcttg 420

aatgaactat aagcctggat caccattgta gtactttgcc ttggtgtcat ttctggtatt 480

tccatattgg act 493

<210> 5835
<211> 503
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316008d05b1

<400> 5835

tctttcacgc gtccggaact tttttcttct gagaggcatc catgagtgtg cttcaataaa 60

cagaatatat ggattttatg atgaatgcaa gcgtcgcttc aatgtgcggc tatggaaggt 120

cttcaccgac tgttttaact gtctccctgt ggccgctcta attgatgata aaatattatg 180

catgcatggt ggcctttctc ctgatctggg gcacctagat gagataaaaa acttgccccg 240

tcctaccgat gtgccagata caggtctact atgcgatctt ctttggtctg atccaggaaa 300

agatgtccaa gggtggggca tgaatgatag gggcgtttca tacacatttg gccatgacaa 360

agttacggag ttccttctaa agcatgatct tgatcttatt tgccgtgccc accaggttgt 420

tgaggatggg tatgaattct ttgctgacag acagctngtt accatatttt cggcttccaa 480

ctattgtggt gaattgataa tgc 503

<210> 5836
<211> 432
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316008d11b1

<400> 5836

gcggacgcgt gggcggacgc gtgggtgtac agtttataat tttgaccgga actccaattg 60

ttggattccc aaagatacaa tggcgtgctc ttgatgagat caattctggt gtatgtgatg 120

ggatgacgta tgaagagata aagaaaatta tgcctgagga atatgagtca cgtaagaagg 180

acaagctgcg ttatcggtac ccgcgtgggg agtcttacct tgacgtgatt cagaggttgg 240

agcctgttat catcgagctc gaacgccagc gagcaccagt ggttgttata tcccaccagg 300

ccgtattgcg agcgctgtac tcgtattttg cccgcaggcc tttgagggaa gtttcagaca 360

ttgtgatgcc actccatacc atattcgaga tacaaatggg ccgtacctgt gtcttggaga 420

ataggtccaa gc 432

<210> 5837
<211> 71
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316008d12b1

<400> 5837

cggtcccgaa tttctttttc gacccacgcg ttcttccacg cgtccaagcn ctagaccgca 60

gagggtttta t 71

<210> 5838
<211> 342
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316008e03b1

<400> 5838

ctggcttccc ttgggctgga catacacggc gtcacgttgg caggtggcca accgatgatg 60

cgaggtgggt gtggtgttgt gatgtgtgtg gtgaccacna tggtggctag cagagctggg 120

tcgcggcttg tccttctgat gtcgaaggtc cggtgcgcca atggatgtgc ctatgctgat 180

ttctggctgt gacagataag tcggagctgc gggcggcagg gccactgcgg caatgatgac 240

tccatgaggg cggttttcag tggacggtgc tctcccgatg ttgcgttgga ctaggtcgat 300

gcgaattttg caactttctc ctgtgaaact cgttagcaaa at 342

<210> 5839
<211> 537

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316008e05b1

<400> 5839

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gtgtccgatg ccagcaagaa gaaagccgcg cagaagaagg ccgccgccgc cgccaagagg 120

ggagccaagt ccagcgccgc tgcctcgtcc tcgtcggcgt cgtcagcggc cgataaggcc 180

gccaatggcg tagcggccct taacttatcc gatcggacat gtaccggggt cctggcttcg 240

catccgctct cccgtgatat ccacattgag tgcctttcat taacatttca tggacatgac 300

cttattgtgg attcagaatt ggagcttaac tacgggaggc ggtatggttt gctcggctta 360

aatggttgtg ggaaatctac ccttctcacc gcaataggct gtagggaact tcccattcct 420

gacacatgga catacatcat cttactcgtg agaatgaggc ttctgacatg tctgcgctgc 480

aagcttgtat ctgttgtgat gtaaaaagag tgaagttgga aaggaagctt gaatttt 537

<210> 5840
<211> 167
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316008e10b1

<400> 5840

tatttgcccc cgcagcgcct ggccacccgc gggggatttt taccgtatga cgggtcggac 60

cccatccgtc cagccggtaa gagtcaccac cccatcccat cgtctgactt cgctttcgaa 120

gggtcagata tggtggacct tgctaaccac ccttttgtca tgcagat 167

<210> 5841
<211> 323
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316008f01b1

<400> 5841

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ggacaagctg cctggttacc acaagacagg ggaggaggac aaggccgtct ccgatacagg 120

cgagcacaag cccagcgctt gatcgccgcc gtgcccgaga cccgtgaccg gacctcgatt 180

gaatagctgg cgtgtgttgc gtttgcttta cgtctaagtt ggtgtcaagg tgggaggggt 240

tgatcgtatt tgaaagtacg gtccctgaag ccccttcaat gaccggtgct tctgtttaaa 300

tttggtttaa aatgaagtcc tgg 323

<210> 5842
<211> 323
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316008f02b1

<400> 5842

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gttcgtcaac tggtactttg gctagtagtt tgtagatact agttcacaaa ctgttctgca 180

aagaaccttg gtgtgccggc gctaggtcgc ttttgccttg tgtttagagt aaagaccctc 240

tttgattcag ttttatcatc atcattcatc accctgagga acacgccttg gtgtggtggt 300

tacccacaaa gggaccgcta cac 323

<210> 5843
<211> 276
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316008f05b1

<400> 5843

ttggtgtgac ccttcttggt cttgtccttc ttggtttatt gttcttggtg tgtgtgcgtg 60

tgttcgtgcc ggggtgtgag gtgtgggcgc gtgcgtgcgt gtatgtatgg gtcgcggtgg 120

tgtgggaggt gtctagtacg tgcgtgcgcc ggcgtgccat tctttgtgtt ggtgatcatg 180

tacttactct cttgttcttg ctatgaatga gaccatttat ttgaaaaaaa aaaaaaaaaa 240

ataaaaaaaa aaaaaaaaaa aaaagaaatt gataac 276

<210> 5844
<211> 513

<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316008f07b1

<400> 5844

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cccatcctcc tttccagaaa ccaaccagaa aatggcgttc agaggctact gccatcctca 120

cccttcttcc tccatggcca ccaccggccc gagattcggc gcgaggaggc cggcggcagc 180

cctgagcttc agagcctctg cagcccatgg atgcaaccag ccatcctcgc acctctcctt 240

tgctgcacca accagcaaca aggtgttcga ggaccaggtg agagggatcg tgtgctacag 300

ggacgacaag ggagagctcg tctgcgaggg ctacgacgag ggcccgaggc tcggaatgcg 360

gctgccggag aaggcctgct tcccgtggcc tgtgggagtc caggtcaccg atttcatccg 420

nctcgcgacg cttcgggtct tcgaggacgg cgccgacgac ggtcttctgc gcaagaacga 480

tcagaagtgg cagctctgaa gtctgaactg atc 513

<210> 5845
<211> 121
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316008f09b1

<400> 5845

ccccaaccta gaacgcaata ccttccactt aatcctactt acatattcca acccacaatt 60

tctcgctcca gagttccccc tacgctcatc ccctaccatg actgtggtgt ccgttactac 120

c 121

<210> 5846
<211> 172
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316008g01b1

<400> 5846

tggtaaagat ggagaaaatg ttgcagagag ggcagttctg atccagaatg gagcatcgac 60

atgtcttatc tcatttcatc aacttaacac acgtacatgc gtctactaaa aaaaaaaaaa 120

aaaaaaaaaa aaaaaaaaag aaaaaaaaaa aaaaaaaaaa aaaaaatgaa aa 172

<210> 5847
<211> 441
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316008g03b1

<400> 5847

tanctgcctc ggcgccatgc aggagggcga ggcggtgcgc gtgctgccgg cctgcgcgca 60

cgtgttccac gtcccctgcg tcgacacgtg gctcgcgtcc agctcgtcgt gcccggtctg 120

ccgtgccctg gtggagccgc caccgtcgcc ggccgcgcca gcctgggtgc aggagaagca 180

gggcctggag aaggagtgtg ctgcaagtgg gagctcggcg ccgccgtgtg ggctcggcgc 240

gtcgctgatg aggatgctga acagggagag gccgctggcg cggaggctga cgcaaggtga 300

ccacgcgcac ccgatggaaa tgcatgtcga ggacctggag agtcagcacc cccagcagta 360

tcactgtgtg gataccaaaa agtgtttttt tttgcgttgt gttttttttt gggggttccc 420

atttgttggt cgaatggaaa a 441

<210> 5848
<211> 460
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316008g05b1

<400> 5848

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tcagtctcca gagacagatg ctaagatggc caagagatat gttgatcagg gtttcattct 120

caggctgcta gatctcttcg actcagagga tcctagggaa agggagtatt tgaagacaat 180

acttcacagg atatatggga agttcatggt gcaccgtcca ttcatcagga aggcaattaa 240

caatatattc tacaggttta tatttgagac agaaaagcat tatgggattg cagagctgtt 300

agagattctg ggcagtataa tcaatggttt tgctttgcct ctaaggaaga gcataaatcg 360

tttctagtcc gcgcgctgat tccactccac aaaccaaaat gtgttagcat gtatcatcag 420

caactgtcat actgtgtcac tcagttcgtt gagaaaagat 460

<210> 5849
<211> 91
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316008h02b1

<400> 5849

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ccgctgacta tcgagtgatt ctgcaaggaa c 91

<210> 5850
<211> 235
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316008h03b1

<400> 5850

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aacctgcagt actatgagat ctctgccaag agcaactaca actttgagaa gcccttcctt 120

taccttgcaa ggaagctggc tggtgatccc aacatccact tcgttgaagc agtggccctt 180

aagcccccgg aagtgacctt cgacctggcc atgcaacaac agcacgaggc tgagc 235

<210> 5851
<211> 476
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316008h04b1

<400> 5851

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acaagaacat tagtttcacc gtttgggatg tcgggggtca ggacaagatc aggcccctgt 180

ggaggcacta cttccagaac acccagggtc tcatttttgt cgtggacagc aatgacagag 240

agcgtgttgt tgaggcaaga gatgagcttc accggatgct gaatgaggat gagctgcgtg 300

atgctgtgct gctggtgttt gccaacaagc aagatcttcc taatgccatg aacgctgctg 360

aaatcactga caagcttggc ctgcattctc tgcgccagcg acactggtac atccagagca 420

catgtgctac ctctggagag gggttgtacg agggccttga ctggctgtcc aacaac 476

<210> 5852
<211> 400
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316008h05b1

<400> 5852

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acccgggggga gctgctcgcg gggcttatca agggtcccaa ggaggaagac caggaggcgg 180

tggcgctcgc cgggaggctc ccggaggcgg ctactgtgtc ggaatgaggt gccgacgcgc 240

agccagaggc ctgcccctta cttggctctg gaaagcaggg gtgatcgagt ggcctcgcca 300

aataaaacgc gtcgagtcct cagacttcag gggggtgctc gagcatcact gtttcgcaat 360

aagaacgctc ctctctcagc agcttttgga gaccaactga 400

<210> 5853
<211> 420
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316008h06b1

<400> 5853

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acgacccggg ggagctgctc gcggggctta tcaagggtcc caaggaggaa gacgaggagg 180

cggcggcgct cgccgggagg ctccgggagg cggctacggt gtcggcatca ggtgccgacg 240

cgcagcctga ggcctgcccc ttacttggct ctggaaagca ggggtgatcg agtggcctcg 300

tcgaataaaa cgtgtcgagt ctccagtctt caggggggttg ctgtagcata ctgtttcgca 360

atcagaaaga tctttctcgt cagcttttgg agaccaactg aaagctcagt tcaacgtgta 420

<210> 5854
<211> 437
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316010a01b1

<400> 5854

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cttgatggat taacaactat gagctaccag taggaaccta aaccaccgac agggttccca 120

acagagaatg aaaatagggc caagctttaa ggaagaaagg gttacggacg agcaccaaat 180

acaggggcga gatgggcttt atcgacgggt gcctagttgc gctgtgctgg tgatacatct 240

gcgagatgtg gtaaaactaa ccggtcccca actgaaaggt ttctggcaca aggcctcttt 300

gctatcgtac ccacaaagag cgaatgcgta tacagagaga gaattttcaa ataatttcaa 360

tgcccaatgg tttaaggtta caatttattc ttctaagata aacacccatg atcagggctg 420

ttccccccta cctgtgc 437

<210> 5855
<211> 420
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316010a02b1

<400> 5855

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ctgctggata acaacaggag caaccagcag gctcctccac caccgccagg gtacccaacg 120

gcggatgcgg agcaaggcca agcggtacgg atgaaggggg gccgggccag caccaaatcc 180

atgggctaga cgggcttcat ggtgggggggc ctggccgtgc tattctgctg gtggatctgc 240

gagaggagct gcgactaacc gctccgtaac agagaggtta ctggcacaag gcctgggtgc 300

tatcgtaccc acgaggagcg tatgcgtata cagaaagcga attgctcata atttcagtgc 360

ccgtagcttt aaggtctaca tatagacgtc taacgagatg cacgcatgat caggactgta 420

<210> 5856
<211> 462

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316010a03b1

<400> 5856

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atccattctc aacgttagca ggagcgagtg ggagtccggc catggcgccg tcgcagccca 120

agtcagggct cttcgtgggc atcaacaagg gccacgtcgt caccaagcgc gagctgccgc 180

ctcgcccgtc cgaccgtaag gggaaaggta caaagagggt gcattttgtc aggaacttga 240

tcagggaggt tgctggattt gctccctatg agaagcgtat cactgagctt cttaaggttg 300

gaaaggacaa gcgtgcactc aaggtcgcca agagaaagct tggtactcac aagagagcaa 360

agaagaagag agaggagatg tcaagtgttc ttaggaagat gaggtctgct ggtggtggtg 420

ctggtgacaa gatgaaatag aacttggcta gctggtgaat tt 462

<210> 5857
<211> 279
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316010a07b1

<400> 5857

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gttgagagag tgtcaatggc tctcgcgtct gggcggtgga gctgggagga gtagatcctt 180

actctgtacg tgaacaggac ggcggttgga tttgttattt gcgtacaatt acaataatgg 240

aatgccaatg atgatggttg agcgagcata ctagaacac 279

<210> 5858
<211> 494
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316010a08b1

<400> 5858

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ccgcctcctc cgtctccggc agcaccggcc ccggcggcgt gtcgcccgac gccatcatcg 120

agtggctgca ggacgagatg ggctacccct ccgcgccgcc cgcgcccgag cagctgcgca 180

agatctgccg cggcaacatg ctcccggtct ggtccttcct cctccgccgg gtccgctccg 240

agcgcacggt cgccacggcg cgccggaaca tcctcgtcca cggcgtcgcg gccaggcggg 300

cgcgggaggg gggcgtcggg gcgggagggg gcgacgcggc tgccagagag gccgaggcca 360

gggagcggga cctcgccgcc gaggaggcgg aacggctgcg cggtgtcgtg cggaggcagc 420

gcaaggagct gcgcgcccgc atcgcggagg tcgcgcgcga ggaggcctaa cgcaagcgtg 480

tgttgggcga gcgc 494

<210> 5859
<211> 277
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316010b01b1

<400> 5859

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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaacaaa aaaagaaaaa aaaaacaaaa 120

aaaaaaaaaa aaaaaaaaaa aaaagaataa ataaaaaaaa aaagaaaaaa ttaaaaaaat 180

gcgggggggtg tttttataaa gaaaaacgtt atttcagcct gtctgggacg aaaaaagaat 240

tttttgttgc gccccgaaaa aaaaaaaaag gagcttg 277

<210> 5860
<211> 252
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316010b05b1

<400> 5860

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agcatcatac atgacaccgt ctacctgacc gcctaagcta ttggtgctgc attgccatta 120

gcatcataca ggacaccgtc tacctgactc ttcttgttgt tgttacaata aacaaaccca 180

tgcgtgcagc gtgttaaggt gaggtctggc actttgtttg ctcgatgatc tatacattat 240

tttggtgttt gc 252

<210> 5861
<211> 281
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316010b06b1

<400> 5861

acactgtgat atccccttcc agcccgggct ttggtggggg atttttaag ctctatcggg 60

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gacggccaac cgttgtttct gggggagtcc atgatgaaac accaactaca acaacctcta 180

cgatggcttc atgcacaact gaaagatcct cgacgccaag atcatcaaca acgcgcaaga 240

cggggagggt ccgtcagatc tgatagagga cgttcgatac a 281

<210> 5862
<211> 422
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316010c05b1

<400> 5862

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gatcaagcag aagctggcca agaagcagcg ccagaaccgc cccatcccct actggatccg 120

catgaggacc gacaacacca tcaggtacaa cgccaagcgc aggcactggc gccgcaccaa 180

gctcggattc taagccgggg atgacgatga tgacgcccgt tgccgccgac gggagaaggg 240

tctagggtac ctagggttta tggcgtctcg ttgtttttgc aagctagcat gtgactccgg 300

gatgcctgtt ttaagattaa gatttcgctt gttttgagag atattattat ttactgcttt 360

gagcctacct gggataccat catattttgc tgattatgga acagctttta ttctgcttaa 420

gc 422

<210> 5863
<211> 377
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316010c06b1

<400> 5863

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accaagacca gatctagtcc agggtttcac acgggatggt agctccggct caaacgacca 180

cgaagatgga aacagttttg atgaccatcc cacagatgat ggggaccgta gttcatgcag 240

cgatggccgt aagacagagc actctgaatc agggccacct aattcagatg gactggtacc 300

aacaagcata gtgctaggca tggtcagatc agctctccat gtttccctat gtgcgtgctc 360

atgatgcatc attacta 377

<210> 5864
<211> 442
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316010d03b1

<400> 5864

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accccaatgg cccaaggtac tcccgtggct caaggtgccc ccatggctca agcccctcct 180

gctccggcac aaagcaccga tgaggtaaag ccatcggagg ctacaacagc tcctgacaat 240

gtggaggcta cagcagctac cagcaatgcc gaagctactg cagcccctgg tactgcggaa 300

gctacagaag ctccggttcc agacccaaca agtagcagtc ctgacgctgc tgatgctcca 360

gcttcagctc ctgctccagc agctgattcc agtggcactg atgcacttgc tgttactccc 420

agtgatttta caaatgatgc ac 442

<210> 5865
<211> 422
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316010d04b1

<400> 5865

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gcacaacccg ggtggcaggg agaggtacga gagggagttc gaggccctag ccaagggcgc 180

cgggttcgcc gccatgaaga ccacttacat ctacgccaat gcatgggcca tcgagttcac 240

taagtagatg atgaatgaca gcgtccaccc atctgatgca tccacttgat gtgtactttc 300

tcttggtgtt tccttaattt tgtcattctc tgaatcattc taaattctaa tgtttgtgtc 360

gtcgattgat tcgaaatgta ctaccattaa taatgttaat tgctcttaat ggttgtgtgt 420

at 422

<210> 5866
<211> 488
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316010d07b1

<400> 5866

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cgcagttcaa ccacggccag ggccaggcgc tgcagtacgc cgtcgccaac tccttcctcg 180

ccgcgctcta cgccgactac atggagtccg tcaacgtccc cggctggtac tgcggcccca 240

acttcatgac cgtcgacgac ctccgctcct tcgccaaatc ccagctgaac tacattcttg 300

gggacaaccc gatgaagatg agctacgtgg tggggtacgg caagaagtac ccgaagcggc 360

tgcaccaccg cggggcgtcc acgcccaaga acgggatcaa gtactcgtgc accggcggca 420

acaagtggcg cgactccaag aaggccgacc ctcacgtgct cgtcggcgcc atggtacgcg 480

gtccggac 488

<210> 5867
<211> 350
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316010d08b1

<400> 5867

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caagcgcgga gaggaggaag aagagaggag caatggagta cgggcacccc tgcaacagct 120

gcagcagcaa caaggagaag aggcctccgt tcaagagagg ccagctcaag ctgcagatcg 180

ccaggactct cggcagcctc gtggtgccgg gcgccaagag cagcttcagc ttcagaagat 240

gatcacctga gcagccactc aatcagggca agcagcattt tctcagccaa tctacgagta 300

tcggatggtc tggtgcttga tgtataccgg gattgtgcaa gttgaacaag 350

<210> 5868
<211> 468
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316010e01b1

<400> 5868

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ctaggtaaca ccgaggaaga tgactcggtt gatctcttgc atcctgacag ctctgccagg 120

agttcagaat ctaggccttc tggtgtaatg gaggtgcagc ttgagcctct caccagatga 180

gtagtagaat agcgtagatc aatctgtatc tcccagtgtc agatacacac acacacacac 240

accaagtcct gttttcagtc atacaacaga aacagatggt gtccacaagc acggtgactt 300

tccgctcaga aagaaaattg aatttctcat gcttgtttct tctaccatgg cagaatggta 360

ccaggctaca taggatcttc aaattatgcc tttgatttct tgcgtcacac tgttcagaat 420

tgatagtgta cattttggtt ttttacaata gacaggcaca attttgta 468

<210> 5869
<211> 436
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316010e04b1

<400> 5869

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tcgagggttg gatggagccc tcggctgcgt gggaacaacc atcggcagac gcgaccccga 180

cgactgtgct cgtggtgctc gctctgatcc cacccgtgct tccacaggtg taccagctcc 240

tctctgtata ttctttgatt ttttttctgt tcagttcatc tttcatggtt aattctttgc 300

aacaatttga taagatgctg aaatcaaagg tgtggcctct atttgatgag ccagacacaa 360

ggaggagtat gggtctgcat gtacatataa gaagaagatg gcttgaggtg aattgtgtat 420

gttttcagtt gcgtcg 436

<210> 5870
<211> 462
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316010e09b1

<400> 5870

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gacgaggaca cccttacgag ggtcataacc actcgcgctg aggtggacct gaaggtgata 180

aaggaggcgt accagaagag gaacagtgtc ccgctggaga aggctgtttc caaggaaaca 240

agcagagact atgaagatat gatgcttgca cttctggggg cagagtactg aggcatgtgc 300

ctgatctacc atatgcttga tgatggggga ataagagtgc ataaaactgt cgagtgtgtt 360

ggttttcaag gatgatatac gttagcctgc atggcagtac tcgtccgatg aattatatta 420

ttttcgtatt ttgagctgca aaaatatatt tagtgttttt tg 462

<210> 5871
<211> 430
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316010e10b1

<400> 5871

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ccaccgggag gagagggcag caggcggagg aggccacacc tacctaccta tctatctatc 180

tgtctgtcta agccgccggc atggactcgg agcactggat ctcgcgcctg gccgtcgtca 240

agcgctttta cgccgcgcag ctcggacacg ccggcgcaga tcgggcgggc atggacgagc 300

tggacatgga cggtgaccag aacgccggca ggcccgactt cacctgcccc tactgctacg 360

aggaccacga cgtcggcttc ctcattcgcc acctngagga ggaccacccc ttcgagcccc 420

acgccgcgcc 430

<210> 5872
<211> 531
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316010e12b1

<400> 5872

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gggcgggaag aaggggggcc gggcgagcac caaatccagg ggcgagaagg gcttcatcga 180

ggggtgcctg gcggcgctgc gctgctgctg gatctgcgag atgtgctgcg actaaccggc 240

ctgcgactgc gaggttcctg gcacaaggcc taggagctat cgtacccacg aggagcgtat 300

gcgtatacag agagagaatt gttcttaatt tcagtgcccg ttcgtttagg ttctacatat 360

atactactaa ggtgatgcac gcatgatcag tactgtaccc gcctacctgg gtgcgtgtgt 420

gagatattta atgaatccga ccgtgtgcag tgccatattc atgcaccgcg ttctgtgtta 480

tataaccggg gggcccagac ccagatacta ctcatcatac cgtgattggg t 531

<210> 5873
<211> 189
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316010f01b1

<400> 5873

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ggacgtggcc atcaccgttc aggcgcccgg agcggtcccc gcggtaacgc tccaagacct 180

gacttcacc 189

<210> 5874
<211> 306
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316010f06b1

<400> 5874

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tggtgtagcg actgagaagt gtgtctagtt gcatccgcta ggctatgtgt agttggttta 120

gcaactgagt taatgttagt tccaagagtt gttcatggtc ctttgtaaga tatccaaaag 180

tctgtgtctg tattggtcga tcatagtgtt ataattcgtg aaataaaata tatcagtggt 240

tgctttaaaa aaaaaaaaaa aaagaaactg taaacacaaa gactaaaaat gaaaatataa 300

ataatg 306

<210> 5875
<211> 544
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316010f08b1

<400> 5875

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tgttcagcct gggatcctgc ttgctagtcg accgtcattc tcaagaaact cctcagctcc 120

accggccgcc cgtgaaggaa ggaggcgatc ggccatgggg aagatgtgct gcagccagga 180

ggaggacgag gcggggttca acctgctgcc gctggtgatg gccgccttcg tcatcatgct 240

gctcttcgtc gtctgctcgc cgccgccccg gcgcaggcgc tgcgtcgtcg tcccgtgcta 300

ctgacctgac ctgacctcat ggtggccggg tggtgggagc ctcgatcggc ggtgctgtag 360

gcaggcaagt ggctggtgct gtggtaggcg tttgtttggt tggtgtttga attttctgac 420

tgatgcgtgt tgggtcggag aataatctca atttctgttg aattcgatcg gacctgaaag 480

ctaaaggtat tctgttgttg gccataaagg attcctaatc cgctatttt tgggcggcct 540

tttt 544

<210> 5876
<211> 331
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316010f12b1

<400> 5876

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gcgtgtcgat tgctttatgc tgggctcctc tttacctgat aaaaaatata taccagctgg 120

agctgcggtg ttgagctact gtttatgtag aaaccttgtc ttgagtggta catcgtcggt 180

attggacacc ttatttaagc gaactgataa accttagtct gaattgagct gctcctggtt 240

atagtttttg taaatttaaa actttgctgg ggatcatctg tggcaaaaaa aaaaaaaaaa 300

taataatacc taacgaaaat caatataaat t 331

<210> 5877
<211> 210
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316010g01b1

<400> 5877

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acttattgtt gatgtcatgc gggaaaggtt gaattgggat tcattcaaaa aaaaaaaaaa 120

gaaaaaaaaa aaaaaaaaaa aaaaaaaata aaaaaaaaaa aaaaaaaaaa ccaaaaaaaa 180

attggggcgg gggctctaca ggttcaaagt 210

<210> 5878
<211> 295
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316010g03b1

<400> 5878

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ggtgcatctg gtgtgttgtg ccaatctata tcccactacg attgattgtt ttgagcatta 180

ttagttggga atacatgcgg cgtgtnaaaa aaaaaaaaaa aaaaaaaaaa aatactaaaa 240

aaaaaaataa aaaaagaaat tagaaaaaaa aaaaaaataa aaataaaaat aatcg 295

<210> 5879
<211> 200
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316010g05b1

<400> 5879

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tacatttgct gcacactact gtagctcgtt ggtctgatcg ctcttgttag gtatatatgc 120

acatatttta ggactaaaaa aaaaaaaaga aacaaaaaaa aaggaaaaaa aaaagaacaa 180

taaaaaaaaa aatataaaaa 200

<210> 5880
<211> 311
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316010g07b1

<400> 5880

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gagcggcgca ttagcaagca caaacggaat gccacagatg aacatttgag ctctgcgttg 120

cagtgcgcca tcgatcatgt tctgaatgga gcaccatgtg tttaccagtt gtggcaggat 180

aaggtcctgg acgtgtgtaa ttcagaacag acttcccgtt gcttttccgg aggtgcatca 240

gaccgttcaa gcttctgttg ttgtgtgttt ggtgtgataa tagctcaagc ttccaacctt 300

tcccggtttg g 311

<210> 5881
<211> 461
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316010g08b1

<400> 5881

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cccaacaaat cagaagcact taacaaatac aatctcactc cctaacaata cagcaaagaa 120

gggaaaatag aaccctcaag aaaagggaaa aatggaagaa ccctcgctaa tcatcagtaa 180

ccaaatgctt caatcgcaca agacggagag gccaaagcca ggctctcata aagggctcac 240

ggccgactca cgatcagagg tggtcgccgt tcatgagcgc ggtggccttg gcgccgcacg 300

agacggcctt cttgggcacc ttaccgacgc ggtcgatggc cttggcgaag atgaccccca 360

tccccatgtg gaggtgcggc tcgatgtggc agtggaacgc ccacaccccg gggttgtccg 420

tgacgaaccg tagcgccgtt cactcggaca ggaagatcac c 461

<210> 5882
<211> 477
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316010h02b1

<400> 5882

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acagtgataa agcggggact cttagacctg gcatccaaga agataatgga atgtctgcac 120

ttccaacacc caatgaaatg tttgctcttc cagcacccga acaatatcgt ggctccattt 180

cctcgaggat gaagaggcgc cctttgaatg gttcatccca gggcagtccc cgtacatgat 240

ttcctcggga atttaggtag aactgtgttc ccggattgaa gaaaaggaag aggatgaatc 300

gctagctcac tgcagctatt cagaaaacta tgtctacngt ttactcagct tagcttaaaa 360

ggttctgttg ctattgttga tgtatattgn tgttcccttt agcaaggatg cgcacgcaat 420

cataaaaaaa cgaacttctg tttacaagaa cgatcatgtt ttccacgact gttgaat 477

<210> 5883
<211> 216
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316010h05b1

<400> 5883

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gcaccgacgg cgccttcgcc ctctgatctg cacggacgga cggagcaaga cggcttgccc 180

gcttcaagag atcgtttgta gagcacttga agcggg 216

<210> 5884
<211> 465
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316010h06b1

<400> 5884

actgtaaaac gctaggtacg atgtgtaatg tgacgatgat aaaagatttt cgatggatca 60

aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120

aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 180

agggggggcc cgtttaaaag aaccaaaatt aacttccccc ggcatgcaaa gtaaaaattt 240

ttttataggg caacaaaaat aaaataaatt gcccgttgat aaaaaacctt aaaatgggaa 300

aaaccctggc tttacaaaat taaaactctt taaaaaaaat ccccttttaa caaaatgggt 360

aaaaaaaaaa aaggccctaa ccaatcgcct ttaaaaaaaa aggcaaccct aaatggcaaa 420

tggaaccccc ctttaaccgg caaaaaagcg cgggggtgg ggggg 465

<210> 5885
<211> 259
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316010h08b1

<400> 5885

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aaactagatt ggtacatcgg tgatttggat gatatatgaa tatatttaaa atgtgttctc 180

tgattggtga aaacaactaa accgagatgt cagaactaac ggaaaaaaaa gaagaactaa 240

aactgggtgt ccgatatat 259

<210> 5886
<211> 405
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316014a01b1

<400> 5886

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cagaagaact ccttcgccgt tacctctttc cttagtgttg tcttactata tttcctgcaa 120

agattgggtg caaccctgag ttcatatgat gtatggctac gaggcacgag tactcgtagc 180

ttctaaggtc ccctgctgcc accgtagtcc agttccatat tctttcgagt gtgataatgt 240

caattttgat ttcattggct gtgtaatcag ttgtaaatat tagttatctc ggctctgttg 300

cacattgtct ctttccccgc cttggactcc tgatgtgtaa ttcaccaatt aataaacttg 360

caatacattt ccccttttaat cagctggaaa aatataaaag ggggg 405

<210> 5887
<211> 356
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316014a02b1

<400> 5887

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gaaactaact tgggacttaa acgccactac caagggatgg actccctgtg aaactggccc 120

attctttctg tggctccacg ttttgatgga ttataagcac gtctgctcca ttggataaca 180

gggtctagtg ctcgggaata acaatgtctg cagtgtacga ctcagtgttc ttcctaaatg 240

acactaccat gcaattggct ggttctcatg ccatggctag ctgcagatac tatatctctg 300

gtttgttcat gtgcacgcaa acgggttgtt tcagcttcct taatggctta ctgttg 356

<210> 5888
<211> 391
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316014a03b1

<400> 5888

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tcaacgccac taccaatgga agtactccgt atgaaatttg tccatccttt ctgtggttcc 120

atgttttcat ggattataaa catgtttgtt caattggaaa cagggtatag tgtttgggaa 180

taacaatttc tgcagtgtac gaattagtgt tctttctaaa tgacactctc atgcaatagt 240

ctgtctctca tgccattgct cgtttcagat attatatctc tgttatgttc atttgtacgc 300

aaatggcttt ttacagattc cttaattctt gactgttgat aagcatatgc tctgatccgt 360

gttcctctgc tgtgattttg cccccaggta a 391

<210> 5889
<211> 356
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316014a07b1

<400> 5889

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tatagttgtc taaaaagctc agtaaaatct tccgaatcga gaactcatca tttgtgtagc 180

ccctctgtat atttaaaact catggatggt cccgtggttg aaatgtcaga tatgtgttta 240

ttatttagcc tgccttgtag aaactttatt cccgagttaa atatcatcat acacccttg 300

cccatatttt tgtaccatta ttgatattga tgtcgatacc atttcttctg gttttc 356

<210> 5890
<211> 259
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316014a10b1

<400> 5890

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ccatcatcct gccgccgctc ggcgtcttct tcaagttcgc ctgcgggatc gagttctgga 120

tctgcttgct gctcaccttc ttcggttacc tacctggcat catttacgcc gtctgggtca 180

tcaccaagta ggactgcatg caggaggggc ttctctgcct ctgccgctag gtgatccatg 240

gcgaacttgt tctgtgtgt 259

<210> 5891
<211> 378
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316014b03b1

<400> 5891

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gagcgccgcg tcagccgctg gccgcctcca ctccaagagg agccggggct gcacaggagc 180

cgcgctagga agccccacgc agaggccgaa ggccatggcc gtgtgtagat cttcccgctg 240

ctgcatgccg gaaggcagcc gaaggccaag gcctgcatgc ccgaagacca gccgtcggcg 300

aaaggatcaa aaccggaagg cagcaccccg aacctcgtac gcagcaatta gatcaaggcc 360

tcggccgccc cctgactc 378

<210> 5892
<211> 358
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316014b05b1

<400> 5892

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cagagaagag tacaccaccg ggccggaacc tgctgccgtg aaccgtcgtg gcggcacgga 120

aggagcgccg ctacggattg gggaggagcg ccgttgcagg cctagggaga gcgccgtccg 180

gaccaagctc cctgctccac cgatcaagga ctcttgattc cggccgcctg cagcacatca 240

ggccatcagc taacagaatg ggagcactga gcaaagcttg cgggatgcaa aaaacagaga 300

ggccgttgat ttgcttatat ctggtcctgc tattaagtta ctgaagcaag acaccctt 358

<210> 5893

<211> 352
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316014b06b1

<400> 5893

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ccagggtcgt gctccccgac ggcgggctca ggctggtcag gcccccggcg acggcggcgg 180

agctcatgct cgaggcgccg ggccatttcc tgaccgacgc gcgcgcgctg caggccgggc 240

gccggatcga ggcgctcgcg gctgacgacg acctcgagct cgggggcgtc tacgccgcct 300

tccccatgaa gcggctcggc tccaaggccg cgcccgccga cgtggcgcgc ct 352

<210> 5894
<211> 159
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316014b08b1

<400> 5894

ttctaaggga aaaaaaggat tttactatgt tttcttttta atgtttggca tcgcgttgta 60

tcaaactcag ccgctctttc gctgagtaat gtacatttgc ctcgccatgg caacttgtgg 120

gctctgctgc tgctttattg aagatgatcg caattttac 159

<210> 5895
<211> 364
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316014b09b1

<400> 5895

gtggtgggca acccgtcggg gtccaagcgc ggcacggttt gcatccaggg catcgcctgg 60

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ataaaccccg cgggcacctt ggggctgtca ctggccagga agctgtcgct caccagggcg 180

gcggtctaca tggtgatgca atggctgggg cccatatgcg gtgctggggt tgtcaagggg 240

gtccagacca cgctgtacca gggcaacggc ggctgcgcca acttcgtcag gccggggtac 300

accaaggggg accggcttgg ggcctccatt ggtggggacc ctcgggctga ggtccaccgg 360

tttt 364

<210> 5896
<211> 188
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316014b11b1

<400> 5896

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cttgtgcatc acccctcaat caacaagtga agtaaataaa agtggtggtt tatgtgcaca 120

agaacagaac ttccccacag aagaacaaaa ctgaaaaaga acccagtgaa agaagaaaaa 180

cttaaggt 188

<210> 5897
<211> 200
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316014c02b1

<400> 5897

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tccgcctatg ctctgcccat ggtgtccttg cgtgtatgtg tgtgcgcatg tctccctgta 120

attgcttcat ctatctccac tatggatgga gtgatgaata tgctagaatg aaagatttac 180

ctaattaact agtcctacat 200

<210> 5898
<211> 148
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316014c07b1

<400> 5898

gcggtccact gttgatctac taggtgcagg aagaaggtgt gatacagcac tggcgccgat 60

agcagctgac gccgaggagg tcgtggcctt gcaatgggca gagcaatggc ccttctgagg 120

cacagtcgct ctgtggagga gcccagga 148

<210> 5899
<211> 428
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316014c09b1

<400> 5899

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accaccaagc agacggcgcg cctcaagtcc ctcctgcacc tcgccacgaa gcggatcgcc 180

gtggtgcggg cgcaccggga ggtgcggtgc gcgcaggcgc ggggggacgt ggagcagctg 240

ctgcggcagg gccacccgga ccgcgccctg ctccgcgccg agcaggtcat ccgggagcgg 300

gacacgctcg acgccctcct cctgctcgac gcctactgcg cgctcctcgc cgaccgctcc 360

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ctctgcta 428

<210> 5900
<211> 384
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316014c10b1

<400> 5900

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cgagccccag gacctgaacg gtgatacctc tggcctcggg ccgtttgagc tcgacgccct 180

gcaagactgg gaatacaagt tcatgagcaa atatgtgaag gtcggcacca tcaagaaggc 240

agcttccgca gaagacggca ccacaagcac atccccagaa acaaatgaaa cagtcaccgc 300

cgaggcagag accgagaagg cacccgccac ggagcacaag ccgagggagg tgagcttcga 360

ggaggttaaa gagaaggaag ccac 384

<210> 5901
<211> 350
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316014d01b1

<400> 5901

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aggagcagag tcgggcgtgg gcggcactgc tgaaaaagcg gggtccggtg ggagccaggc 180

agtccagggc gccggtcaag gtgctggtag ctcttactcc ggcggcggcg gcggccgtcg 240

ttgagcctgc cgtgtaccgc gggatcatcg ccgccgtgac tgaggaatga tacccaacca 300

tgccactgcg aataaaatca agctgcttaa ttcacaataa aaaaaataaa 350

<210> 5902
<211> 154
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316014d04b1

<400> 5902

gaaccggccc ggaacacccg ggacgaccca cgcggacggt cacgcgaccg cccacgcgac 60

cgaccacgcg gccgcccacg cggccgaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120

aaaagcaacc aaaaaaaaac acaaaaggca ccac 154

<210> 5903
<211> 172
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316014d07b1

<400> 5903

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cgctcgctct gctgactttc ttatcgcttg ctggtgctga acctgctgat ttccatgtgc 120

tgtgctaata aagcaacata gtcctcggat gctgtggtaa acaaaataaa aa 172

<210> 5904
<211> 417
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316014d09b1

<400> 5904

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cgccgtctcc ttctcccccc gcccatcgac gggaacgact ttccggcccc gcgccgcttc 180

cgcctctggc tccgtgggcg ccgggcgggt ccgcgcggcg gtagcccccg agggaggcaa 240

gtggtgggcg ccactgctcg gctggtctgg gcgggcggac tacatcgagg ccgcggcacc 300

ggcgccggcg atggcgatgg ctatggcggc ggaggaggag gagaaggcgg tgaggtcgtt 360

ccgtgggcgg cctgacggag gagaaggcgc ggcaactgcg ggcgcggatg gtggaga 417

<210> 5905
<211> 352
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316014d12b1

<400> 5905

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gaaccgcaaa gctgagcgct tcagctttgc ggtgcctctc ctgacctccc aggtggtcgc 120

ctgaggtacg caagaatcgg caagtcacaa aacggcaatg gtgaactccg gcaggagtcc 180

acccccctttt tatccttttc tctccattca gttgtatcag gtggaagtcg aataatcgga 240

agtctctgtg tgtgatgaat caatggatgc ttcaagtcca tgttttgttt ttctcttcct 300

ttattatggg cactctggaa acactactat aaatgggtga tgttcatttt gc 352

<210> 5906
<211> 182
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316014e03b1

<400> 5906

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caagaggtgc tgcatcgatc gctcgctcgc tgctgaaccg acactgggcg acgactggcc 180

cc 182

<210> 5907
<211> 299
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316014e05b1

<400> 5907

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ctcgtgctcc agtgcgtcga ggagccgcac gccgccgtct tcacccagga gctggagaag 120

ctcgcctaag agggcttgcg ttcgtcatgg ttacctccat actttacaga attattacag 180

gtgggatttg gagttgctgt tgctgctgta ttcttcatct tgtcgtgcgt cgtagttgtt 240

gcattccaca ccaggttttg ctttcaacaa acaaataaat cactgagggg ttcttctct 299

<210> 5908
<211> 504
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316014e06b1

<400> 5908

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caggtgctgc tggtggcgtc ggcggtggcg gcgttcctgg tcgggtacgc gatggccgac 180

ttccagctga tgctgctcgt ctacgccggc ggggttgtcc tcacggcgct cgtcaccgtc 240

cccaactggc cgttctttaa ccggcacccg ctcaagtggc tcgacgccgc cgaggctgat 300

cgccaccccc gcccgcagat cagcagcgca ccagcgacga ccgggggtaa gaagaagacc 360

ggggagaaca aggagtcatg ttacttatgg cccatgtggt gcagacatgt tttatgatta 420

tcagttgcag aacttttgag gatgacatgc ttgaagtggg gtacctgaat gtttttatga 480

caaaaatctg cttccttttt gggt 504

<210> 5909
<211> 338
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316014e08b1

<400> 5909

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gtcatccagg agtacgagtc aggcaaggct atcccaaacc aacagatcat tggcaagctg 120

gaaagggctc ttggcacaaa gctgcgaggc aagaagtgaa gccgcgtgca tttgacagga 180

atttaggctt taagaaagct tggttgggca agtttaccgc taaataaagc ttgtctacta 240

aatcatgcga cttaagaaaa ccctggagtt tggcattttg ctcaagtttg ggtgaatggt 300

attattagcc ttctgtgaac aacttctgta tctggggt 338

<210> 5910
<211> 374
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316014e11b1

<400> 5910

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ggccaggttg gaaggatcaa gcaaaaacgt ggctacaaag accagtggcc ctggaacata 120

aaaatctaca ctgatgattc tgggaaagcc aaaggagatg cttgccttgc ttatgaagat 180

ccttctgctg ctcattcagc tggtggattc tacaacgatt atgacatgag aggccgtaaa 240

attagtgttg tgatggctga gaaatcagca cctagagctc ctacatctgg tcatggaggc 300

ggacgtggtg gaggcggcgg ctatggcggg gatagacgca tagatggagg aggccatggg 360

cctaacagaa acca 374

<210> 5911
<211> 400
<212> DNA

<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316014f01b1

<400> 5911

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caactcttgg tcaatgtgga tgaggaaact gacctgaaac atcctatttc cttcacgtat 120

aaatgggttc ctcctgcgga tgataaggat gaagatcgcc gtcagcccaa gggccttaac 180

tttctncatg atgccaacct gccggtgatc tacaagcagg ccttcaacat ctactggact 240

agggtcagtt tgagccttca cgagctcgac atcggagcca gcactctaca tgcttatcga 300

cgcggtggcc atcgaggtcc aacttgttcg gaaatatttg tcggagtaat ggatgtatct 360

atacgcattt tagttttaga cacatccatt tttatgcatt 400

<210> 5912
<211> 473
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316014f03b1

<400> 5912

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taaagtccaa gtgactataa aagaaacaac aaaaacatag ttaaatgtat aaaattacgc 180

agcttttccc ccaccactgg tgggggggttt tgtagctgac cccttaggaa aacaattctt 240

ctattgtttg ctagatacgt tatgagacgg acctgtttaa ggggccgctc catttttgaa 300

gctaacaaac ttttaagtcg ttgatttgcc tgccatttga agacttcctt actgcatttg 360

ctctggttta ttttactgca tttgcggctg tttttattgc taatatttaa tctttcttaa 420

cactattcta tcacaccttt tctattattc ttacttttctt ttttctacat taa 473

<210> 5913
<211> 461
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316014f04b1

<400> 5913

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agaagaacag cctctccaag cggaagaagc agcacgagtt cgacctccag agggagaaga 120

aggccaagga ggagcaggcc aagaagctgc aggccaagaa gtccaagatg aagattgatg 180

gcagcgataa gaagaagaag ggcagcagct tcaaggtggg caagaagaag gtgaagacaa 240

agctctccgc actgggaaaa gccaaggccg cgcaagccat ggagctcgac aactgactga 300

ctcccacggc ctaaactgtt gcaccaatgc cggtcatttt ttatgtaatc gtcggagaaa 360

tgaagttcat ttgctctggc caggtccatg tagtcgagct gcgttagata gataagagtt 420

ttggtatttc tccagtcagg cagatcctga tcgtgtatga t 461

<210> 5914
<211> 167
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316014f06b1

<400> 5914

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attccaaaaa aaagtatgta ggttacatgg ctcacacctg ccaagcggaa gccccggtgg 120

aagggttact ggaaacctat tgaagatggg gaggcaaacc acataaa 167

<210> 5915
<211> 239
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316014f07b1

<400> 5915

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ggtggcgctg ctgctggtga tggtcagcat ggcggtcgtg atgactgccg acggccaggg 120

tgccggcagc gagttcggca aagcggccga aggagccggg acaggcgccg ccaccgctgc 180

tgagggcgcg ggagccgccg tgaagtctgc ggcccaagga gcaggccagg cagctagtg 239

<210> 5916
<211> 180
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316014f08b1

<400> 5916

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gccaatcaac cacggggagc aggcaccaaa aaatatcgcg cgggacgacg aaggaaagac 120

aagggcggca ggccttggaa cacctgaccc gacaaaaggc tcccaagaaa aaccacagaa 180

<210> 5917
<211> 460
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316014f11b1

<400> 5917

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gacggatttg gtaaagtttg ggacgctgtt gaggtgtctg gaaagaacgt gatgaaaaca 120

tcgtcagttg tcactacttc agttgtaacg cacaggtacg gtgatcaggc aggagagatc 180

acacaggact acctccacgc caccggaaac gctcttgggg tcgcgtgggc cgtcttcaag 240

atccggaaag cgctcgaccc aaaggggcac atcaagaagt cgtccctggc gagctcggcg 300

gcgcacgctg tggctaagca atcgatcagc ctgcagaaga agaagtaagc cgtcgtcgtc 360

gtacgctggt cgatgatggc tccactgtat attgtagtat gttcttgttg agtttcatgt 420

gtgggctaag gtggttccac tgtgctgagt aatggtgatg 460

<210> 5918
<211> 197
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316014g07b1

<400> 5918

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cagactatgg ttcaggccct accaccagcg tgagaacggt ttgccaaatc tctgctaatg 120

tgacgtggcc ctttctcgtg gacgaagatc ggattggccc aatgcgttca tttcattgac 180

aaaggagaaa tgagggg 197

<210> 5919
<211> 352
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316014g10b1

<400> 5919

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gaccctgaac ggcaacgtca cgggcggcgc ggggggcccc tctccgtacc agcccggcgg 180

cggcggcgat ggcgtggtgc tcgggcatgg cgacatcatc gtcaatgcgc ggatctccgg 240

cggacaaggc ggctcgcgcc gttactacgg taccccgaga tcggccagcg gagacggggg 300

cagcggcata tcgatcggct cgggcaccgt catcaacaac aacgtcgtgc ta 352

<210> 5920
<211> 480
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316014g12b1

<400> 5920

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agcagccgga gcccgtcagc tatctatgcg gagattgcgg agctgagaac acgctgaaga 120

caggggatgt gatccagtgc cgtgagtgtg gctaccgtat cctctacaag aagcgcaccc 180

gcaggattgt tcaatacgaa gctcgctgaa gacagaagaa caaacatcat tcactgttgg 240

taggtgcctc gattgatgtg gagtgtgccc tgagacaaag ctacaatgga gaaatgtatt 300

atatacagta cttttaggtc ttatttgtcc gttggacttt ggcttgaagt ggtaaaactt 360

gttgcaaacc gattgagatt ttagacaatt gagaatccag attatgcatc ccaaaagctg 420

gatgtcgaaa aatggttatt attgctattg gcagcaataa aatgctctgt tggttggttg 480

<210> 5921
<211> 187
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316014h02b1

<400> 5921

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gcgccacagg aaggtgctgc gcgacaacat acagggcatt accaagccgg cgatccggcg 120

gctggcgcgg cgcggcggcg tgaagcgcat ctcggggctc atctacgagg agacccgcgg 180

cgtgctg 187

<210> 5922
<211> 380
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316014h06b1

<400> 5922

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aactctccaa ggagtgttgg aagcccaaga cgtgggtctg ccgagaagaa cattcctggg 120

ctagaacatg tataccaggc aaggaggaag gctatactgc gggagctgag gaagatgaag 180

gccgcaggca ggtgaagatc ccagagaggt atcgtttgaa ccatttccga accttcagtg 240

caagtcaagt tttagatgct actcaacaag tttgaactct ggattgcttc tcagccagag 300

aagatgactg acagccgaat tgttgtgcct cgtttgtttc aagttcatca gttgacaagc 360

ctgcttattg aagccctgtt 380

<210> 5923
<211> 103
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316014h07b1

<400> 5923

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gcaaaaaaaa aaaaaaaaaa aaaccacaca acaacaacac acg 103

<210> 5924
<211> 316
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316014h09b1

<400> 5924

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ttttttttagt ttctggttct gcttgaagcc atatttaggt ttaagcccaa atatttaatt 180

ggtttagttg atttaggata ggaagaacat gtcttctggg aaagggtatg tgaatatgtc 240

ccatggtgta tgtgattaac tattgaatac ttttatgcaa gactaaaaga atgcaataca 300

cccgattctt gatttg 316

<210> 5925
<211> 212
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316015a02b1

<400> 5925

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gacatcgaga ccgccgccac ccgcgacgag gggatcgccg ccgacatgtg agagacatgt 120

tctatcgatg taacgtagtg tgagtgagtg atcgttaagc cggtgtgttg taaactttta 180

attaattgtg caagcatgtt gtcttagtta gt 212

<210> 5926
<211> 498
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316015a03b1

<400> 5926

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cgaggactac ctgccggtga tggcggagcg gctgggggag gaggggctga tggaggagct 180

ggcggcgggg ttccggctgc tcatggaccc ggcgtcgggc ctcatcacct tcgacagcct 240

ccgccgcaac gcgccgctgc tgggcctcgg gggcatgtcc gacgacgacc tccgcgggat 300

gctcgccgag ggcgacttcg acggcgaccg cgcgctctcc cagatggagt tctgcgtcct 360

catggtcagg ctcagccccg acctcatgga cgagccccgc aagtggctcg acgacgccgg 420

cgcgcaagca ttccactttc ttttcaccag ctaggctgct gctgcatcga tccgatagga 480

aaattaatct tcttcttc 498

<210> 5927
<211> 363
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316015a04b1

<400> 5927

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actccacatt ctcatgcgtc atctgatcga tccggggact gtttgagacc cacaccaggt 180

tctacagatc tggagacagg gaggcgaacg tgttccccac accacgtcat ttgcgggatc 240

ccgtccacgt cgagcagtcc atgagtactg ggacaacact gtagtgagca gggtggcacg 300

catgcacccc gctgctccac cagatgagat ccaaataaaa aaaacaaggg cggcccgttt 360

aga 363

<210> 5928
<211> 116
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316015a06b1

<400> 5928

ccggaacacc ccgggcctac ctacccaccc gttcgtacca cacgaccaaa atacaaaaaa 60

aaagagacgg ctaaaaaaaa gaaccccagc gttaacaaaa aaaaaaaaaa agaggg 116

<210> 5929
<211> 273
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316015a07b1

<400> 5929

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caataaaaaa accatgaaga gaaagagacc gaacaactgg ccgcaaccat ggaccaacaa 120

ggccatcgat ccctatgcgg cggagacaaa ggggggggggc gttcaggagg gcccagctcc 180

gctcccgggg ggaggcaccg cccacgtgtt gcagtggggc ccgcaaaaaa aaaataacgg 240

gccctccttt caacccggtt ggacggggaa acc 273

<210> 5930
<211> 329
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316015a11b1

<400> 5930

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gttgctgctt gtgattttcc ttttcttcct ccttgtattg gcggacgttc tcgtagaatg 180

ttgtacggaa gatggatgta tgagtgattg agtgtgtatc attatgtgtg ggtagtagga 240

ctcgggagca aattttgcct ggcattgctg atagttcatg caagtaacat tgttgtcata 300

tatgtattga tcaactgtta ccactggtt 329

<210> 5931
<211> 352
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316015b04b1

<400> 5931

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caagtttgcc ttggagtctt tctgggatgg gaagagcagc gctgcggatc tggagaaggt 180

tgccgacgac ctcagggcca gtatctggaa gcagatgtca gaggctggga ttaagtacat 240

tcccagcaac accttctcat actatgacca ggtgcttgac acaacggcca tgcttggtgc 300

cgttccggac cgctactcat ggactggcgg agagattgga ccagaaccta ct 352

<210> 5932
<211> 232
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316015b05b1

<400> 5932

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ttatgctgtg atccggaggt ggtgactagg gagggggtgc tggaattcct tt 232

<210> 5933
<211> 329
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316015b06b1

<400> 5933

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agatccaact tctgcacagg atgctggaca agctgtggga cgacgtggtg gccgggcctc 120

gcccggagac gggcctagac aagttccggc gggccgccgc cacccaaccc ctcgccatca 180

acacagctgc aggggaggcg atgaagcagt cgccgccgat gccgacgacc ccgaccacgc 240

cggtgacgcc gtcgttgtcc acgccgccgc gcggcggcag cgtgtggcgg agcgctttcc 300

accccgggag caacctggcc accaagagc 329

<210> 5934
<211> 360
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316015b09b1

<400> 5934

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aaatatacca caacaaaaaa aaacaaaaaa aaaaaaacca tacactcctt cttacattta 120

tcctatctct ctaccatacc tccccccttt tttccccccg gggggggcct ctttgggggc 180

cccaggtttc cgcccccggg cttgcggcgt ctttgctttt ttttgggggc cccttattct 240

cttccccggg ccgtcgtttc ccccctgcgg gccggggaaa ccccgggggt ccccccctct 300

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<210> 5935
<211> 255
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316015b11b1

<400> 5935

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tttatcatct tcttccttta tggaaaatcc ctcgcccgag gtagatcgtg gcaatgtttt 120

ggcttctatt ccggagtcta acaattcagt acctgttgac tcatgtcctt atggatataa 180

aatggttttg aaacttaaga gtaagatcta cccagaaggg ttcacatnna aaaaaaaaat 240

aaaaacaaaa aaaca 255

<210> 5936
<211> 225
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316015b12b1

<400> 5936

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gcgctgccgt cgcctcccca cctcgctgcg gggccgcgtc gcccc 225

<210> 5937
<211> 303
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316015c05b1

<400> 5937

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ggagcaagga gcttccacac catcacgctc gtcagcagca cggtctactg cttcggcggc 180

gagttcacgc cgcacctgac cgcggacaac accatgtaca ccatcgacct caaggtccag 240

ttctgggccg acctctacgc ggccggcgag gtgccccccg cgggcgtccg cgtcaccatg 300

acc 303

<210> 5938
<211> 269
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316015d01b1

<400> 5938

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attcagaaag tatttttaag ttgatggctg cttagtgatg ctgcccttta tttaagcgag 180

aaatgtaaat ggcattgtac atacgacact gcttcgacaa aacattgttg agtgttaaat 240

agaagaaagg ttgtcattct tgttgtttt 269

<210> 5939
<211> 496
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316015d03b1

<400> 5939

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cgctgggggg ctcgaggccg cgaagatgta aatacacgct ggctggggtg ttatgaccag 120

ccacaggagt ggtgagaccg aggacacatt cattggtgat ttggctgccg gtctgtccac 180

ggggcagatc aagaccgggg ctccctgccg gtcagagcgt cttgccaagt acaaccagat 240

tttgaggatc gaggaggagc tgcgcgaccc tgcaaagaat gctggcctca agtggcgcgc 300

accggtggag ccctactaga caggatgttc tcgagttgtt gtgaaaatgg gtgtgcataa 360

cctccggaag gaactctggt ggaagctctt aggattgagc ataatgtcca gcatgtttat 420

gtgaacggaa cggatatgta cccccaaact tgctacaatt ctggcccatg gggatatgaa 480

cctgattggg acccga 496

<210> 5940
<211> 222
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316015d04b1

<400> 5940

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tccgttgtag aagcgttatt atccggactg ttttcgtgta cttccgtgtg aatttagacg 120

gcaagttttt tcctctttac tataaaaaag tacaatgact tgcttacccg tgatctggct 180

ggcaactttg aaggtatcat acaccaccgt tctgttgtca gt 222

<210> 5941
<211> 496
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316015d07b1

<400> 5941

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gaccaatgac atcggtgttg ttgtcgtttc agatagtgca ggggagcctg ttggctttaa 180

cctctatgtt ggaggtggca tgggaaggac acacagaata gaaaccacat tccctcgtct 240

ggctgatcca cttggttacg ttcctaagga ggatatatta tatgctataa aggcaatcgt 300

tgtcactcag agggagaatg gaagaagaga tgaccgcagg tatagcagaa tgaagtatct 360

gattgacagc tggngtattg acaagctccg ggctgagggt gtaatatact atggaaagaa 420

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acagggtgga tggtaa 496

<210> 5942
<211> 204
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316015d08b1

<400> 5942

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gtatgtggcg ctagagttca ccttggtgga gcctctcctt cacccttgca tgtaaccaat 120

ggtttttata cgtttccatc atagatccat gctttctgaa tcctggacat tgttgtactt 180

gtggaagtac tccctccgta aact 204

<210> 5943
<211> 520
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316015e02b1

<400> 5943

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gcgtggcact gggaggggggc gcggcggagg gggccggcga gtgcgggagg tcctcccccg 180

accggatggc cctgcgcatg gccccgtgca tctcggcggc ggacgagccg gactcggcgc 240

cgtcgagcag ctgctgctcg gcggtgcaca ccatcggcaa gagccccagc tgcctgtgcg 300

ccgtcatgct gtccggcacc gccaagatgg ccgggatcaa gcccgaggtc gccatcacca 360

tccccaagcg ctgcaacatg gccgaccgcc ccgtcggcta caagtgcgga gattacacgc 420

tgccttgatg gcccggcaat gctgacgatg aagatgaatg ctgtggaagg cgtcctcatg 480

tgggaataag cgagtggtgc atgtgccact tatgtggggc 520

<210> 5944
<211> 445
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316015e03b1

<400> 5944

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tctgaccgtc gactccaggt aaggaggagg agaggagggc gagatggtga agcacaacaa 120

cgtcatcccc aacggccact tcaagaagca ctggcagaac tatgtcaaga cgtggttcaa 180

ccagcccgcc cgtaagcaga ggcgtcgcat cgctcgccag aagaatgctg tgaagatctt 240

accccgacct acctctggac ctcttcgccc cattgtgcaa tgccagaccc gcaagtacaa 300

catgaaggcc agggctggca gaggatctac ccttgaggag ctctagtccg ttggcattcc 360

aaagaagctt gttccgacca tcggcatttc tgtggaccat cgccgcaaga tcaggctgct 420

tgagggtatg cagtccaatt tccag 445

<210> 5945
<211> 394
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316015e06b1

<400> 5945

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caagatgttg ggttaaatca ttgaatcaga gttttgcagc aagaccagaa aattgactgc 120

tacatggtca tgtactttgt aaacatgtct ttgaccattc acttagactg aagcatggtt 180

atgcacaatc agcaacatta gccattcaca ctatctcgcc tcacagatgc tgtatagttg 240

atttacctcc tcagatgaac aaagccttac cataacaaat aaaaaaaaaa acaggctgat 300

tactaggtag acacgctcca ttctgagtgg gaaaagccca tcctacagag cattcctgag 360

cacattttac ttttgacata tctgctcatg cttt 394

<210> 5946
<211> 442
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316015e07b1

<400> 5946

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cactggcgtc agccgtgtaa ctgtcaagaa gagcaagaat atcctgtttg tcatctccaa 120

gccagatgta ttcaagagcc ctgcctctga cacctatgtc attttcggtg aagctaagat 180

tgaggatctg agctcacagc tgcagtccca ggccgccgag caattcaagg cgcctgatct 240

tagcagcgtc atctcaaacc ctgaggcttc tacagctgtt caggaggatg acgaggattg 300

tgatgagact ggggttgagc cgaaggacat tgagctggtg atgacccagg ccggtgtgcc 360

taggcccaag gctgtgaagg cgctcaagtc tgctgacggt gacatagtca gtgctatcat 420

ggaactgacg aactagccgt gc 442

<210> 5947
<211> 511
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316015e08b1

<400> 5947

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cggaagattt cagaagataa agtagtagat gaaaagtcat ctccaaattt tgattgtcaa 120

atgatacacg caaatggtgc tccgacgtac atagaaaaag attgtgctgc aaaatctttc 180

cacaaaccga gaccagaagc agttcaacct gttcattttg ctcctgatag taacaatgag 240

aaacgatatt cttcttgtga aaaacatgat cctgaaggca ggagtaaagc cactaatttt 300

ggtgatctca gtgagaagaa aataagtctg gaagaattac ttagactcga aagtgcagaa 360

gagtccctgc ataaaggtgc aataagctct gaaaccagta aaaatcatat gccatctttc 420

catggagaag cagtcaggca ggtttccgca aatgtgggtc atgaagtcga agctattgca 480

tccataacct gtngtattgc taatgatttt g 511

<210> 5948
<211> 404
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316015f02b1

<400> 5948

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aagggaggaa cccaccccac gacgcnggaa aaaaaaaaaa aaagaaaaag aaaaaaaaaa 120

aaaagaaaca aagggcggcc ggcccaaagg acccaagcga acggacgcga gcaagcaacg 180

acacagcgct gccaaagggg caccgaaagg caaaaaacgg gccgcgggac aacaacgccg 240

ggacggggaa aacccgggcg gcacccaaca aaaaagcccg ggaaaaaaac ccccaagccc 300

caggggggcga aaaagcgaaa aggcccgcac cgaacgccct agcaaacaga agaacagccc 360

gaaaggcgaa aagggacgcg cccagaaacg gagcaaaaag cgcg 404

<210> 5949
<211> 153
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316015f03b1

<400> 5949

ggaccggccc ggcaaacccg ggacgaccca cgcgcccgtt catgcgcccg aaaaaaaaaa 60

aaaaaaaaaa gaggggggaaa aaaaaaggga aaccgccgga gaccacccaa agggaggcgg 120

gggccgcagg agcacaacac ccgacggggg caa 153

<210> 5950
<211> 472
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316015f04b1

<400> 5950

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tgcggccact cataacggtc ttctgcgtgc gatcgtcaac ggcgcccatg gcgctggcca 120

tggtggcact gccggggact tcatcgttgg caactgtaag accatatact tcgcagggca 180

tgagaccacg gcggtcaccg ccatttggtg cctgatgtta ctggccaaac acccggaatg 240

gcaggagcgt gcccgcatcg aggcgctgga ggtttgccat gggaggagca cgttggacgt 300

tgacgccctc caccgactga aaattctgac gatggtgatc caagaaactc tccgtctgta 360

cccaccggcg tcgctgatga tgcgtgaagc cctgacggac ataaagatcg gcgacctgga 420

tgtgccccgt ggaacgatcg tccaggtgac cagatcgatg ctgcacctgg ac 472

<210> 5951
<211> 155
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316015f05b1

<400> 5951

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gagtctagca ttctacacaa caatggaaca tggcgtcgtc tgacgaaacc aaaaaaaaga 120

aaaaagaatc tctaaagagg agaccaagac aaaag 155

<210> 5952
<211> 115
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316015f08b1

<400> 5952

ttgttcacgc gtccgcccac gcgtccgccc acgcgtccgg aagatcgcaa tcgacgttgt 60

aagccctgga ttcgattttc acctgcctga atgtaaatgt tccgtatgtt ttctg 115

<210> 5953
<211> 483
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316015f09b1

<400> 5953

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cggcgcggga gaagaggagg aaacaagcag caccgccgag gccgcccgca gaccaagacg 120

agcacgcgac cggacaaccg gcgaaaacaa aggaccagag gggccacagc aaccaagagg 180

aggagcccac gacgaaagaa gaaccgagag cccgacaccg gacggcggga cgaacaacgg 240

gacccgagaa gacagccagg cggggacgaa agaagaaccg gcgcaccggg gggcagacca 300

gagaggagga gccagacgac acgaggccaa aaggggggcac aggacgacgc aaaacaacga 360

agagaccggg aaaaccccgg cggaacccaa agcaaaagcc aagcagaaca aaccccaacc 420

gccagcagga ggaacaggaa agaggcccgc accgaacgcc cgaccaacag gagcacaacc 480

cga 483

<210> 5954
<211> 464
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316015g04b1

<400> 5954

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tatctggaag aagtgcatgc tgcatcagac aagatccatg gtcttgctgc cactgcctta 120

gaccctgctg ccagcctgtc tctttccact ctaaaacaaa ctattttggc gattcaagat 180

tcacttgttg ctcttcaaag cactaccgcc gctgcacgtg cctccctaga ggaaaagggc 240

atgtactcag aggatgatgt ggctcaacca acctacgatg ggctttctga tgaagagacc 300

gatgaagatt gccatcaaga catggatgat gactacgctc actatgtgcg atccccatga 360

gcactgtcta agccctacta agctgatcag caagtgaagc tttctatata tagcttcatg 420

atgacaatgc tcactgtgtc cgatccccat gagtgtcata ttga 464

<210> 5955
<211> 207
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316015g07b1

<400> 5955

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ctgtctgtac acaattaaga aacaaagtca gactcagcca gcagacagac ggtgccttca 120

ttgggcccaa aaaaaaagaa aaaaaaaaaa aaaaaagaaa agattgttaa caatcaaaaa 180

actggaaata aaaaaaaaac atataag 207

<210> 5956
<211> 357
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316015g08b1

<400> 5956

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tctgcaccca gggctcgccc caccagcgtc cctccatgtc gagggtggtg gcgatgctga 180

cgggcgacgt cgaggcgccc gacgtggtga ccaagcccag ctacatcacg gagtggcaga 240

tcacgggggg caacaccacc tatatgagca ccgacgtcag tgggcagccg agctcggcgc 300

caaggcctaa ctcgccgtcg tcccgcacct cgtcgccgtt tctgagctcc gtcatgg 357

<210> 5957
<211> 304
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316015g09b1

<400> 5957

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caccagccat gggtaaggag aagactcaca tcaacatcgt ggtcattggc cacgtcgact 120

ctggtaagtc gacgaccact ggccacctga tctacaagct tggaggcatt gacaagcgtg 180

tcatcgagag gttcgagaag gaagccgctg aaatgaacaa gaggtctttc aagtacgcct 240

gggtgcttga caagctcaag gccgagcgtg agagaggtat caccatcgat attgctctct 300

ggaa 304

<210> 5958
<211> 304

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316015g11b1

<400> 5958

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caacgaagga cagcggcggg ccaggcccga gggaacacga tgcacgcggc gacgggcgcg 180

ggcaaaagaa aaggcgccag aagccagcag ggcaacaaca cacagaaccc cagaagacaa 240

gggcaaacaa gaacgggaag ggcagacggg agcagcacga gaaccaaaga ggagggaagg 300

gcgc 304

<210> 5959
<211> 203
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316015h01b1

<400> 5959

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ggccgctgga gacaccccca gggtggatga acttaccata caaaagttgg ctcacccaag 120

actgcgggag gtgcggaagc tgggggagaa caccgtcatt aaagaaaagg tgacacacgc 180

gaggagttga agacaaaggt tga 203

<210> 5960
<211> 70
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316015h02b1

<400> 5960

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actgtgctgc 70

<210> 5961
<211> 319

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316015h05b1

<400> 5961

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gagcagccgt aggtgctgct cacacacagc cagatgcggt ggatcaagcg ctaggaccag 180

gagacccaca ggcacccccct gaagctgcac ctgctggaga cgaggacgaa ctgcgggcac 240

gggcaggagg cctcgacgac gggctcccgg tcgctgggac cgatccggcg cgccgacagc 300

gccataccgc tcggcgact 319

<210> 5962
<211> 327
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316015h06b1

<400> 5962

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aagcggcgcg agaggacacc acgggacaaa cagaaccgca gacgcggcaa gcaagaccca 120

gaagagaaag cgaccgcaca acngagcgaa acaaggccca accgagggca aaagaacaac 180

aaggggggggg aggccacgcc gaaacgacga cacgggacga ccgaacaccg ccggacgggg 240

gaacaaacag aaaccgagaa ggaaagccag acggggaacg aaaggaagaa caaaccggcg 300

ccacccggga gggagagaaa gaaagag 327

<210> 5963
<211> 388
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316015h08b1

<400> 5963

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tgcgggtggg tgaacgggcc catcgcactc agagcgaggc cgggggggcat cgtcgtggcc 180

gacatgctcc gggagcaggg cgtgccctcc gtctgcctag agcgcgacga cagcaactgc 240

atccgctgcc tctggcagag gcgcgattac gaccgcacta cgactgcacc ttgccaagca 300

gctctgtcac cgacgtcagc tattcgagca cctcgagatc tgccccacca agctcgacat 360

ggagcaagaa ctccgcggcg ggagatcg 388

<210> 5964
<211> 453
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316015h09b1

<400> 5964

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cgatggtgct cctcgtccct ggcgagtttg atcgagcgga cggcctctcc tcccctcggt 120

gcgggtgggt gaacgggccc atcgtactca gcgccgggcc ggcgggcatc gtcgtggccg 180

acatgctccg ggagcagggc gtgccctccg tcggcctaga gcgcgacgac ggcaactgca 240

tcgcctccct ctggcagagg cgcgtttacg accgcctacg actgcacctn cccaagcagc 300

tctgccaccg acgccagctt tccgagcacc tcgagatctg ccccaccaag ctcgacatgg 360

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cagcttcctc ggggcccgcg ggtcgctcgt cgt 453

<210> 5965
<211> 479
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316019a02b1

<400> 5965

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tcaaggggct gtggctcttc cgtgggcagg acatccctga gtttgtcatg aacgaggtct 180

acgacatgga gctctacgag tggaccaagg ttgacctctc tgacgaggcc cagaagaagc 240

gtgtcgaagc catgatcgag gaccttgagc cgcttgaggg gcaggccttg ctggacgcca 300

agtgcttcaa gtaagcggat cagtgctttg gatcgtgatg gcggtgacaa aagaacctat 360

ctaggactca aattcagtgt cgaaacagtt gtctattttg gaagagtttg ctcgttactt 420

aatggctatt tgaccttgtg aacttgttaa tttttgtgcc atgctaagag tttttgggt 479

<210> 5966
<211> 358
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316019a04b1

<400> 5966

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atccaagaac tttgtgtatt ccgaaaggcg caactagcca aacacagggg aaaaaaaaag 120

acacagaaaa agtgaagaag gcacgaacat gaaaaaaaaa aaagacaaaa aaccaagggg 180

ccctgagtgc acaaaaaaaa aaaaaaaaaa aacctaaagg gggccccctt ttaaaggacc 240

caaactttct tccccgggga aacaaaaact aaatttctct aaggggaaac caaaacaaaa 300

aaaatgggcg cacatttaaa aaaccccaaa aaggaaaaac ctgggcaaac ccaaatta 358

<210> 5967
<211> 493
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316019a10b1

<400> 5967

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ccggtgatgg tggcggaggc gcggacgtgc gagtcgcgga gccacaggtt caggggggccc 180

tgcgtgcgca ggtccaactg cgccaacgtc tgcaagaccg agggcttccc cgacggcaag 240

tgccgcgggt tccgccgccg ctgcttctgc accacccact gccaccatta acaagcctct 300

ccttcgggtg atgccttctt tggggtggcc tttctgcgag cgtacgtgcg tgcgtgtcca 360

tgaataaacc tcagcttgtc ttggcaagct aggagcgagt ccctaccttg ttcttggctg 420

actattgcca gcgcttgttt cttggttggg ttcgcctcag aagtgctgcg agatttatgg 480

gaatatccca ggc 493

<210> 5968
<211> 340
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316019b04b1

<400> 5968

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tgcagccagg aggaggagga ggcggggttc aacctgctgc cgctggtgat ggccgccttc 120

gtcatcatgc tgctgttcgt cgtctgctcg ccgcagcccc ggcgcaggcg ctgcgtcgtc 180

gtcccgtgct actgacgtgg catcatggcg gtggtgcggc ggagggagcc tcgacctcga 240

tcggcggcgc tcaaggcagg caagtggctg ctactgtggt ggtaggcgtc tggttggcgt 300

ctggattctt ctgactgatg cgtgctgggc tgggtggaag 340

<210> 5969
<211> 400
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316019b05b1

<400> 5969

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cgacgggcgt ggccatcggc atctgcgcct tcagcctcct ccgcaacatc accggcaacc 180

cagaagtcag ggtcaacaag atggggaggg cagcaggagt gcttgagaac catgaggagg 240

gcaggcgcta cgccgagcac ggtctcagag cctatgtgca ggacaagacc cccgagatca 300

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tcgctattag caactgttgt ggtcaagtgc aaacctattt 400

<210> 5970
<211> 339
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316019b08b1

<400> 5970

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gtgctctttg cacaagctgt gtgcttatga ggtgttggta cttgtcgagg acagcagggg 180

ggtagcttac tcgtggtgtt gcactatgtt ttgtttcttt gttttatttt tgagtgtttg 240

atctgtttga gcctttgtga ttcgagaaaa taaaaataat atgagttacc tttattaatt 300

tatttaaaaa aaaaaaaatt taaaaaacaa ctactaaac 339

<210> 5971
<211> 514
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316019b09b1

<400> 5971

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agatttcatg tctgatcttg acgttcagat cccaactgcc tttgacccct ttgccgaggc 180

gaatgctggg gacgctggtg cagctgccgg atcaaaagac tacgttcatg tacgcatcca 240

gcagcgtaat ggtcgcaaga gcctgaccac tgtccagggt ctgaagaagg agttcagcta 300

cagcaagatc ctcaaagacc tcaagaaaga gttttgctgc aatggtacag ttgtccagga 360

cacagaactt ggacaggtca ttcaactcca gggtgatcag aggaagaacg tctcaaactt 420

ccttgtccag gccggcattg tgaagaagga acacatcaag attcatggtc tctgagcaac 480

tgccagctcc atatcagagt ctacatgcaa agca 514

<210> 5972
<211> 94
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316019b12b1

<400> 5972

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attgctttta tggcagatcc ttacctgttg gttc 94

<210> 5973
<211> 402
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316019c03b1

<400> 5973

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tctttctaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120

aaaagaaaag gaaatagagg agtaagaagg acacaagaaa aaaagagagt gaatgaaacg 180

aaagaagagt gaaaaagaga aacccaaaga aaacgggggc ggcgctctaa agagaaaccg 240

gatgtctggg cagggtgcgg gggacacaaa actttgttga tgggggggcct aaaaacgaat 300

atgggggggg gcgaataaag aagaggatgg ggaaaacccc gcgtcccaca actcatatgg 360

cttgaagggc aaacggccct ctgcccgggg ggggaaaata aa 402

<210> 5974
<211> 166
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316019c04b1

<400> 5974

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atgaggatga cgttaatgct tttgtaagat attttaaact ttgactaagg cgttgtaata 120

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<210> 5975
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<223> Clone ID: uC-tsro9316019c05b1

<400> 5975

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gcgcgtcgcg cccaagtccg acgatgtcta cctcaagctc ctcgtcaagc tctaccgatt 180

cctggtgagg aggaccaaga gcaagttcaa cgccgtcatc ctcaagaggc tcttcatgag 240

caagactaac cgcccgccgc tctccatgcg ccgcctctcc aacttcatga agggaaagga 300

ggagaagaac attgctgcgg ttgttggtac aatcacagat gacatgcgga tccaagaggt 360

cccagcaatg aaggttaccg ctctgaggtt cacagagaca gcgagggcaa ggattgtcaa 420

tgcttgtggg gagtgcctca cttttgacca gcttgcactc cgtgcttcaa ctggggagaa 480

cactatcctg ttgaggggac cccagaatgc cc 512

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<212> DNA
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<223> Clone ID: uC-tsro9316019c06b1

<400> 5976

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accaccataa aaacccccta aaaccacaca aaaaaaacta aacaaaaaac ggctccccca 180

tctaatgaac aacccccctgg acccccattt ctgcccgcct atgacccact aataacgtgc 240

ccaaactaca atccaccctc cacggtcccc ccccgacctc atttgaaaaa ccctgcccta 300

ccccaacaaa atacctttttc tta 323

<210> 5977
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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316019c07b1

<400> 5977

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actttgaaaa caaaaagggg ggaacctttc aaacgctaaa aacttttttg gggggcttta 180

aaaaagtgta caaacttaca aacttttaaa acctactggg gccaaggaag atccatacat 240

attcaaaact ttaaaataac cggggaatac ccgggggccc cctaagagcc ccccccttg 300

ttggccattt tggcggggcc cttttattgg aacttggccc tgaaccaaag gaacccctgg 360

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<210> 5978
<211> 130
<212> DNA
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<223> Clone ID: uC-tsro9316019c08b1

<400> 5978

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<211> 566
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316019c09b1

<400> 5979

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ggcgcacgtg atcgcgctca cctccccgcg ggacgcctgc cgctgcgccg ctgtctcgcc 180

ctgcttccgc gatgccgccg gctccgacgt cgtctgggcg cgtttcctcc cgccggacta 240

cctccagctg caccaggcgc cggcccggcg attcccgctc tcgcgctccg gctccacggc 300

ctcggcggcg gcgtcggcgt cgtccaccaa gaaggaggcc tacctcgggc tcaccgacgc 360

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gtgcgtggcg atctcggcga ggaggctcag cctgccgtgg gaggaccgcg agttcagctg 480

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gccttgacat ttactgcggg ttccca 566

<210> 5980
<211> 396
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316019c11b1

<400> 5980

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catgagtcag tccgtgctgc tgtttgttgc atacagtttg tagagtctga ataaaatgga 180

ttctgctgtc aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaataaaaaa 240

aaaaaaaaaa aaaaaaaaaa aaaaaaatag aagacaccaa aactaaaaaa gaaaaataac 300

taaaaaaata caacatcata aatagggggg gggccgtttt aaaggaccaa attttccttc 360

ccggggattg caccttataa ttttttttt tagggc 396

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<211> 432
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316019c12b1

<400> 5981

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gtggcaggtc accatcatcg gcccgcccga gacattatat gatggaggct acttcaatgc 300

agtaatgacc tttcctcagg attatcccaa cagtcctcca tcagtaaggt ttacttctga 360

gatgtggcat ccaaacgtct atcctgatgg gcgtgtgtgc atttctattc ttcatccacc 420

tggtgatgat cc 432

<210> 5982
<211> 369
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316019d04b1

<400> 5982

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aaagcaatcg ttgggaagcc agtagtggcg agcgagtatt tcttattgtc ttatctccat 180

gagcaaaaaa gtttaataat aaatcgtaac ttaacacgct aaaaacaaat agatgcatag 240

tagtcgtgtc aagctaagca gtgaataatt tggctctgcc caaaaaacaa aaaaaaaaac 300

ttaactatag tgaacctagc tccgtaaggg aaatctgaaa aagcaccttt cttgatttga 360

acagacatt 369

<210> 5983
<211> 557
<212> DNA
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<223> Clone ID: uC-tsro9316019d05b1

<400> 5983

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cgtggtgatg cgccgtaacg gcgtgtacgt caccttcgtc gtcgccggcg ccttcgctgg 180

cgagcggctg gtggactacg gcgtcaacaa ggtctgggag atgaacaacg tcgggaaacg 240

gtatcaagac atatctgttc tggggcaaag gccggttgag gagtgaagac attgaagccc 300

agatttccca tgatctttta agtgaaatta ggcaccttat aaagcttcat gttttgacat 360

tttccttttg gcacaataat atttgaaaac tctcttgctg ggtgttattc actccctttg 420

agcactatgg catcaatctg ttccacagca aagtgattgc tatgtcttgt ccctttgaac 480

aagttcacta cttatcaatt atgaattgga cttcttctaa tggctattag aaatggcatg 540

ctgtgctcgc ctttttg 557

<210> 5984
<211> 443
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316019d07b1

<400> 5984

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aggtggggct gttcgtgctg gtgcaggcgc tggtgtacct catcctcgcc cagtcctcct 180

ccgtcttctc caccaccaag accctctgcc tccccccggc gcgctccctc agcgcccgcc 240

gcatggccgc gctgctctct gacctgccgc tcgacggcga gccctcgccc cgcgtcggct 300

tcgcggagcc gtcgtcaccc gtgtccgtgc ccgtgcacgc ccaccagaag aaggattagt 360

tgcccgagtt gggaggtggc cactgcctag cgagcgagcc atatcacgtc gctggttccc 420

tgccaatggt cggtgcctgc ccc 443

<210> 5985
<211> 478
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316019d09b1

<400> 5985

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agctcaagtc caagaggatg caccgcttca taacctacag gctggagaac cagaaggagg 180

tcattgtgga ccaaactggg gagcgcgagg ccacctatga ggacttcacc aagaccctcc 240

ctgagaatga ctgccgattc gcggtgttcg acttcgactt caccaccccg gaggatgtgc 300

caaagagcag gatcttctat atcttttggt ccccggacac cgcacaggtg aggagcaaga 360

tgacgtacgc cagcaccaac gagaagttca agaggaccct ggacggcatc cagatcgaga 420

tgcaggccac tgaccccagc gaaatcagtc tggacgtgat caatgagcgc gcgcacta 478

<210> 5986
<211> 378
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316019e04b1

<400> 5986

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acttgtggat cgcgctgggc attcgcggcg gtggcggcca tcgaaggcat gaacaagatt 180

aggacagggg agctggtgtc gctgtccgag caggaactcg tggactgcga caccgggagc 240

agcgtctgcg gcggcggcca ctaatactcg gctatgggcc tcgtggtcgc ccctggtggc 300

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cctgttgccg accaccag 378

<210> 5987
<211> 437
<212> DNA
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<223> Clone ID: uC-tsro9316019e07b1

<400> 5987

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ctacggacta ccagggctcc tcctcctcct cccactcccc gttcgcctcc ttcggccgct 180

cgctgctgtc tcgaagccgg gacaccccgg cgtcccccgc catgcttccg tccggcgggg 240

aggccgaggt cgaggcgttc cagcggcacg tggccgttag cctcgcggag ctgagggacg 300

gggaggattt cctcttcatc gcgtggatcc ggcagctcct cgaggcgttc ctgctgtgcc 360

aggaggagtc tcgggcggcg gcggccgaag tgcggcgccc cggctgtgga ggcccgtctg 420

ccgagaggct ggtgggc 437

<210> 5988
<211> 393
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316019e09b1

<400> 5988

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tcacctcgat caccattgag cccggcgtcg aggtcgaagt gaccatcagc gaccagtagt 240

tatgctaccc catgatatgt gtctttaaat ctttctacaa gggtggagag acaccagcgt 300

accaagatat ttttgaaact ttctgtagta tgagaactgg gctttgtatg actaggttct 360

ctgcttcgtg attttaagtg cctactgtcc taa 393

<210> 5989
<211> 175
<212> DNA
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<223> Clone ID: uC-tsro9316019f01b1

<400> 5989

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ctctctgctt cccacgaatt cttcgggaat ttcacaactt gcagaatcga gagactctcg 120

cggatcaaaa tgggcctaag aatttagaga cagagaaata taatacttcc tctgt 175

<210> 5990
<211> 179
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316019f04b1

<400> 5990

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gaggtataat gtaattcgca tgtgcagcag gcacgtattg atagcctaag agtgcaggcc 120

aagtaatggt cttgtaggta gaatcgaaat caccatgcaa aactatgtgg atatgggcg 179

<210> 5991
<211> 430
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316019f07b1

<400> 5991

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ggaggggaga agaagcggcg gctgagcgcg gagcaggtgc gcgccctgga gcggagcttc 180

gaggtggaga acaagctgga gccggagcgc aaggcgcggc tggcgcgcga cctcggcctg 240

cagccgcgcc aggtcgccgt ctggttccag aaccgtcgcg cgcgctggaa gaccaagcag 300

ttcgagcgcg actacaacgc gctgtgccac ttctacgacg cgctccgcgt cgaccacgac 360

gccctctcgc gcgacaagga ggcccttctc gccgagatcc aatgatctga aggggaagct 420

gggggactag 430

<210> 5992
<211> 185
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316019f09b1

<400> 5992

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tggaagtcag ctcccgtgcg gggggggggag agggggaaga aggggggggg gccttctggg 180

gggct 185

<210> 5993
<211> 337
<212> DNA
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<223> Clone ID: uC-tsro9316019f10b1

<400> 5993

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attttggctt accctaatta gttagtgtat catccttcta tatatatatt gtccttgcgt 120

gccatggact tctttgtgta ggaagacatg acgacagctt tctcaccaga aagcacaaga 180

tccactccag ggccccggag gcttgaaagc cgacgtcctc ggacccaagt ttacctgccg 240

ccagcttttt cagagctgac aagggagaac ctttccaggc cccctaatgt aggccgtcgc 300

accactaaaa aatcgtcttg actaagaaaa acatggg 337

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<211> 418
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316019g01b1

<400> 5994

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tgtgaatatc tagctgccag agctagtcac ggcgcatcct tggctgccac cacagctgat 180

ggcaccaaga cgcgactcta gatggtttac ctgggtgctc tgccatgtcc agtcgggatg 240

gaggagctgg aatgttccgg atacgatcgt gcattagaag taataaagtg cacggcaaaa 300

atgctaggat ggctttgagt gttggtgggt gcggctgctt tcttttgcaa ctgctgctgc 360

gtgatgcgta ccaaggtctt acccacgggc caggggcttt gtgcattgcg gattcccc 418

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<211> 566
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316019g04b1

<400> 5995

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tccggcgggg ctgttcccgc gggaggccac caactacgag ttcgagccgg agacgcggcg 180

gctgacggtg cacatcccgg cggtctgcga ggtcggctac agggacggct ccgagctgcg 240

tttcgacacc acggtgaccg gcacgctgga caagggcagc ctgacggggg tggagggcct 300

caaagccaag gtgctcgtct gggccagggt caccgccgtc aaggccgacg ccgcaaaggt 360

ctacttcgcc gtaggcatca agaagtcgcg cagccgcgag gcatacgagg tcgtcagagg 420

cgccatcacc gtcgacgagt tctagattct agtcgcgcgc tcgccgagat gatttttcta 480

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ggatccataa tttagtttcg cagctt 566

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<211> 485
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316019g05b1

<400> 5996

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tggcgctgcc ggcggagaga cggaccgagg aggccgcagt caccggcggg tgccgggtgc 240

cggccgggca gggcgggctg ccgatcggct tccggttccg gcccaccgac gaggagctgc 300

tgctgcacta cctgcgccgc aaggccctct tctgcccccc ccccgccgac atcatccccg 360

tcgccgacct cgcgcgcctc cacccatggg acctgccagg tacgctccac ttactcccca 420

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<210> 5997
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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316019g07b1

<400> 5997

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gagtcttcag acaccatcga caatgtgaag gcgaagatcc aggacaagga gggtatccca 180

ccagaccagc agcgcctcat ctttgctggt aagcagctcg aggatggccg cactctggcg 240

gactacaaca tccagaagga gtccaccctt cacttggtgc tccgcctccg tggtggccag 300

caagtgccct gccatggagc tgcttatgtc tctgggctca cgagtcggtt gtctttctgt 360

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<210> 5998
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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316019g08b1

<400> 5998

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<210> 5999
<211> 263
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316019g09b1

<400> 5999

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gattgtaata aaacaaacct tatgtagtag caatggtctg tgtgtgatgt aataaaacgg 180

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atgataaaca atattttctt ctg 263

<210> 6000
<211> 381
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316019g10b1

<400> 6000

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tcgatgtgtc attgaggtct atccataaga tattgtgcta taggcacatg aataaaggga 180

gtgcctatta ccataaatgt aagttgcatg gactgtaagt agtttaagtg cccagcttaa 240

tccactgctt tatggtccat gcaatgctgg ctttgggaag taatgaagca cttggtgtgc 300

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<210> 6001
<211> 462
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316019g12b1

<400> 6001

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tctgcacttc ttggctagct agctggtcgg ccatggcgga tcaccagagg cagaggatcc 180

acccggtgga cctggaggcg ggccagccga ggccctcggc gccgctggtg ccgccgggga 240

gctcgttccg gtccgacaag ggcgaccctg ccgcggcccc ggacaggagg ccgccgcacc 300

accagccgct gcccccgccg aagcggcgca ggggctgctg ctgccgcttc atctgctgcg 360

tcctggtgac cgtcatcctg ctcgccgtcc tcgccgcggt ggccctgggc gcgctctacc 420

tggtgttcca gcccaaggcg ccccactact cggtggaccg gc 462

<210> 6002
<211> 504
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316019h01b1

<400> 6002

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gctcacattc tacgtctgtg ccatggtgtg ttgctgcgga accctgatct gcctagtttt 180

catcgcgagg atcaagccgg tttatcagat gctatatgct agtgggtcgt tcagacaccc 240

tcgacagcag cagctgtact gatggagtaa gtggcatcaa tagaaaagct tgcaagtatg 300

agaaaagaaa agaacagagg aagttgtcag ctggttgtct gtaattctgc cttcttcttg 360

catcatattg cagcagcgta tattatccca cggttgtttg cttgattcat cccttgttgg 420

tattggagca tatgagagag ttctcttgat tccataattt gctcatgttg tgaaggtata 480

tacagccgat cgtcgaccat taat 504

<210> 6003
<211> 235
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316019h04b1

<400> 6003

cccttctcat acggctgctg caaatgctca tctggtgtgt gtttcgtata aatagcgctg 60

ggttacaaga aataaataag tacaatgcct cactcgtcaa tggataatgc aatgaatact 120

caagcagacg aactgttaag gggccggtcg cgtcagaact gtatgcacgt aaccactcat 180

atgtatgtat gtatgtatgt atgtatgctc caacatgtcg agatgttaaa aagaa 235

<210> 6004
<211> 272
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316019h05b1

<400> 6004

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acagaaatat gtgctgagtt aatactagtc gggtcttttg atgtcttctg cgctttgctt 120

ctgctttttg agtctactga aaccgcagta cttgtgcggt ttcctctatc cagttatttt 180

ttagtactgc atctgtaaaa ccatatgtga tcctagtacc ctgttcttcc caattctcga 240

tgcttggtgc agtcttaacc ttttcgatat tc 272

<210> 6005
<211> 198

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316019h06b1

<400> 6005

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gcaccagatt tactgccgag gagaccatga cgaaagatgt atcttattgg ccgccctaaa 180

tcgattggtg agcaactg 198

<210> 6006
<211> 452
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316019h09b1

<400> 6006

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gaacaagcga gggtacctgc ggcgtcgacc caggtagcct cacagagtca cgagcgacga 180

ctaccgtgtt gcggtggagc agggctacgc aggcgacggc agtcgggcca gcgacaccag 240

agcctgcgtg ctccacacca cggccagcta gcccgctgtc ccgctctgca tggcaccatt 300

cacaaagatg gaagaaccag tggccattac ctgaagctga gtcacatccc actgcggcga 360

cctcgttcga ttctgcagcc tctcttttct gatgtttgat gctgtgaatc ggtgcacaca 420

cgtaattcac caaagcttgt tttgtagctg ct 452

<210> 6007
<211> 349
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316019h10b1

<400> 6007

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ggctccgcac ggcgcgcatc ttacaagagc ttgataccag ccgggatcgt caccatgctt 120

gtgcatatgc tcattttcgg cactggctca cgtagatagc aggcgagcca gctgacatcg 180

tgatttgatt attattacct cggcgtattc agaggtagag acgtcgccat ccctgctgcg 240

cttagtcggt tagtcgtatg gacgaagagt tggcatggcc tgagcattct tactgtacat 300

acagaaaatg aaaggtctat tgttcatgta gtacggcctc ctttttctc 349

<210> 6008
<211> 392
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316019h12b1

<400> 6008

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ttggagacca catctaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120

aaaaaaaaaa aaaaaaaaaa aaaaaaatga aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 180

taaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaggggggg gccgaactgg 240

gggtaccaag ttaaccaccg aaagaggaga ctgaaaacac ttgttataag ggaggcaaaa 300

aaaaaaaaaa tagaacgttt ttaaaaagga aaacactgga aaaacccagg ttaacccaaa 360

ttaaatacat tttgaaaaaa acccctttt cc 392

<210> 6009
<211> 267
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316023a01b1

<400> 6009

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tcgccgcctt ccacgaaggg atgctcgaca tgaactgacc ggggccgagc acgacgacgg 180

agccaaagaa gaagtcgaag acgaaggcga gaggaattga cttgtttatg tgatgattaa 240

attagtagaa gtagtacagg atattgg 267

<210> 6010
<211> 265
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316023a02b1

<400> 6010

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aaaaaaaaaa aaaaaaaaaa ataaaaaagt aaccctaaaa taaaaaaaaa aaaaaaaaaa 120

aaaaaaaaaa aaaaaaaaaa agggggggcg gttttagggg acccagattt ccatccgcgt 180

gctggaaaca ataaagcttc tttttggggc cccaaaatta aaacactggg ggggcggttt 240

aaaaacgtct tgttgggaaa acccc 265

<210> 6011
<211> 320
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316023a03b1

<400> 6011

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tgatcaatgt ccaacctgtg ggtcccgtgc ttctctgatt tggatcgaga tgggagtcct 180

ggatcgagtt agggtctgtg ctcttgtgca acacatagcc atggagtgac cgacccggat 240

ctgacttggc tatcataaga aggaagggtc ctcgaccgga atctgtccca ggcaggacct 300

caatggcgac ctgcaggccc 320

<210> 6012
<211> 221
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316023a04b1

<400> 6012

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agctgcacaa gtagcatcta ataatctctg gactggcata atgcctgcat aaataaaagt 120

gtgttgttta aaaaaaaaaa gaaatcaaaa aaaaaagaaa aactgattga catactacaa 180

ttgatgggag aacaaataaa aaaaaaataa aaaacaaaaa g 221

<210> 6013
<211> 303
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316023a06b1

<400> 6013

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cgtgtcacgg cgcccgcgga atatctacac cgtggagatg caggcctcgc cgccgccgcc 120

gagctcgctg cggcgcagac tgcgggccac ggcgtgctgc tgcttcggct acggcgaccg 180

ggcgcggtgg ggcgggcggg acagccgcgg cgtcggcagg tacgacccgc tcagctacgc 240

gctcaacttc gacgagggcc ccgacgacag cgacgacgac gtcaactacg acgacttcag 300

cga 303

<210> 6014
<211> 304
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316023a10b1

<400> 6014

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cgccgcctac tcggacgaca aggtgctcct gccccaagcg ctgttcgggg ccaaggcgcc 120

ggcgccggtg cccggcgccc ccaaggggcc caagaacaaa aagggtgaag cccgcctctg 180

gccgggcgag taagacgacg acgccgcgcc cacgggcgcc gcgggcgcca gggccgcccg 240

ccggggcatg gctggcatgg acgcccttct tggctacctc ttgtgagatg ggtagcttgg 300

gatg 304

<210> 6015
<211> 253
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316023a12b1

<400> 6015

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tcgatcgaaa cacagcggga tcatcgactc gatcaggacc agggctctga cgtacctgat 120

acctcatggt ttcgtccacg acgcgccttc tgctaggggt gggtctggcc atccttctaa 180

cgtcgacgtg ccatgtcgct gatgctgcaa ggcccgtgcc ggcggcggac catacgcagg 240

tgctcaactg ggg 253

<210> 6016
<211> 454
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316023b03b1

<400> 6016

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ctagtagctt atactcagtg tcagatgctt ctatgtcatc tgggcatcca agtctgtcta 180

tcttaggggc aagaagtcgt ggttctcatg ttcctgaatt tactgtaccc actgatgctc 240

atggtggatt gcccatttat cagtctatgg tcccagctat tcctgcttat aacaccccaa 300

aatgttcagg agagctattg gtgcgtgttg tatgccctgg cgacaagatt gggttagcta 360

ttggtaaagg tggtgacgac cataaggaat ataaggaaag aaagtggtgc aagcgtagat 420

tgtgatgacg caaagaatga taaggaggaa agca 454

<210> 6017
<211> 303
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316023b06b1

<400> 6017

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aaaaaaaaaa aaaaaaaaaa aaaaaaaaat gcaagaagaa aaagaggaaa aaagaaaaaa 120

aaaaaaaaga aagaggggggg aaaaaaaaaa agaagaaaaa aaaaaaaaaa aaggggggggg 180

gggtgtaggg ggaccaaagg gaacggccaa agggcagggg aggccaaagt ttttcaaagg 240

gggggacaaa ggaaaaaaaa gggggggggg taaaaaaaag gggggggggg ggaaaccccg 300

ggg 303

<210> 6018
<211> 386
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316023b07b1

<400> 6018

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gccggcgtgg cacggccagg gctactgatc ggtgcgcgcg ctccgcgtcg accgagccga 180

ccgcgcgggc cggagacggg cgagcacgtg ggatcgtcat accggagcac ctgacgacga 240

tggcatatac atatgcgtac tccttttgtg ctagcagcag tatatctcag ttcagctaat 300

cagtagcaat cgggcggttg atcgagcaga ggcagtagta gccgcagcag tgatcgatac 360

tgaatacagg gagcagatat agtact 386

<210> 6019
<211> 319
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316023b09b1

<400> 6019

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tctaaagaga acgggccggt taaaacaaca ccgtcaacca ggggggacca gggtattcaa 120

gggtccctgc agcggggaca aattacaaaa cggaaccgaa ccgaaatttt tacaaaatga 180

ggcaccctac tggtctgagg ttggacataa tttgggtggg gctacaagaa aaaaagggtc 240

aagtgcgggt tattttaccg ccatgggagg caaggggcat gtcaggggcc cctacgtttc 300

cgtggtcgac tcaaaattt 319

<210> 6020
<211> 258
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316023b10b1

<400> 6020

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tcccggctta ccgccggtcc ggtacgccat gtccaagcaa ggagggaagg ccaagccggt 120

cacgcaggcc atggtcgccg agaaggacta cgacaagaat gacctgtcat acctccagaa 180

gaagaaggat gagcaaaagg ccctgaagga gctgaaggcc aaggcaggcc agacgggtgc 240

gctgtgagga tcctggtc 258

<210> 6021
<211> 308
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316023b11b1

<400> 6021

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tgatcattcg ctgttagctc gcggagcaag ctagcgttcg tttcttgcag ggagagtgat 120

cggtcgggcg ggtggcatga gcccggcgag cggcaagctg cggtggctgc ggagggcgcc 180

ggcgcgggcg ttcgggcgcg cgcgggactt ctacgtgcgg agcatcacag ggtgcgcgcg 240

ctacgtaccc gtcgacgcgg acttcggcgc ctacccggtg ctcgtgcccg cgccgctgtc 300

aaggagcc 308

<210> 6022
<211> 90
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316023b12b1

<400> 6022

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acaggtagca agaaaaaaaa tggtgactgc 90

<210> 6023
<211> 412
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316023c03b1

<400> 6023

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caacggcagg tctgttcatc tggtccctcg tcgctcccct cctgttccca gacagggagt 180

tctagatcga cctggttacc tgctagtgca tcatccgttt ggagccacct acgtatcgta 240

tcgaacgtgt ttcggctgtg atggctaagc tgactatctg tatctggtct gcaatattgt 300

gtgagcaaac ccatggcaag gagctggtgt ttgtgtgacg ttgtcgagtc tggtctgcat 360

gatgtgtgac ctaaggcatt gctgacagta tttcaacaga gaaaatatgg tc 412

<210> 6024
<211> 305
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316023c06b1

<400> 6024

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cgcgcggcgg atattgatcc ggtccggtcc tgccgcgtgc cgctgggcgc cgatgctccg 120

gctccgggtc cggccaaaga ttgctgcttg cggggtccgc ggcggcgggc gggtggctcc 180

gttccggcgg cagaggcggc tcgatctgcg ccggggctca aatctgatcg gcgtggcgcg 240

ctcctggagc ccggggttcc gattcggccg cgctcccggt gtgctgcccc aattacncga 300

ctttg 305

<210> 6025
<211> 465
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsro9316023c07b1

<400> 6025

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atcagtctgg aaccccgcct tcgacgttac tccagcaaat ctaattactg caatcattac 120

agaaaagggt gtgatcacaa agtctgatcc taatggaagt ttcgacatca aaggtttcat 180

cgaatgtgcc aagtgatgct ctccagtgag cataggttgg catgaatgcg gtggaacatc 240

cttctcacac aattgatgat aggatgccca tgttgtactc ccagcaataa gatctttcga 300

agtgagagaa aaataaagtc gcgtacgaga tgtattgtga ggatgagctg tttgttatcc 360

acaaagcata tttataaaaa gatgcatctt ttgctaaatt taatgtgttt ttctagcaat 420

gaaccacaac tcagtttgag atggaagacg agcagctgct atctg 465

<210> 6026
<211> 519
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316023c08b1

<400> 6026

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gacggcggcg ccggcgccgg ccgcgaagcc atgcagcaga agcagcagca gcagcgggac 180

atgatgatga gcccgtccca catgcagaag gtggaggaga tgaagcagct gttcgagaag 240

agcagcaggg atctgagcaa ggtgctggac atctacgacc agcggcttga ggaggccgag 300

tacctcgccg gcgacaagtt caccctcgcc gacctctccc acatgcccaa cgccgaccgc 360

ctcgccttcg acgaggcgct ccgccgnctc atccagtccc gcaggaacgt cagccgctgg 420

tgggccgacg tctcgagccg cgagtcctgt gtgtacgtca aaagcctgca tgcgcccgcg 480

ttcgccgagg cgccattctg atcaccatgc actggtcgc 519

<210> 6027
<211> 311

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316023c10b1

<400> 6027

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catgtcgtac tacgaccggc gtggggagtc gtcggtgctg gaggcgttca cgctgtcgcc 180

gctgccttac ccggtgatcc tgatcctgat gatggtgacg ctgctgctgg gggcgtcgcg 240

gctcttctcc tacgaggagt tcatggagga ggcgtcggag cagttcagct ggttcctgct 300

tggcgtgccc a 311

<210> 6028
<211> 482
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316023c11b1

<400> 6028

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gcacctcaga tccggcctcc cgctcctcca agctcgcctc gcggccaacg aatccgcggc 120

cgtcgctcag gtatcgaggg ggctggcaac ggaggcggat aagcctaagg agaacaagat 180

caaggttcca aaagctctgt atggtggcac cggcaactat gctagtgcgt tgttccttgc 240

agcagccaac gcaaattcgt tggaaaaagt tgaatccgag attctcgatg ttgtaggggc 300

atccaagaag agccctatgt tttctcaatt catgaaggac acatcagtgc ctaaagaaac 360

cagggtgaag gctataactg aaatattctc tgaagccggg tttactgaca tcacaaagaa 420

attcttgtct gcactggcat ccaatggaag actgaaatat gttgagcgca tcgctgagag 480

at 482

<210> 6029
<211> 151
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316023c12b1

<400> 6029

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ctccataaaa aaaaagcacc aaccaaaaca aaaaggtata ctatacgcaa gaaccatacc 120

aaaatacaaa cgatacaagg gggcccccgt c 151

<210> 6030
<211> 232
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316023d03b1

<400> 6030

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ggtgattgtt gggagaacaa agaaaaatag tagccgcagc gtgatggtat tttatggtgc 120

ttgctactca ttggaatttg catctataag ctgtaagttg tgactgtttc atgcttattt 180

actagtggta ctatactacc gtgtggttca attgtatccg ttatacctga tc 232

<210> 6031
<211> 540
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316023d04b1

<400> 6031

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gcggcggcgg cggcctccgc gagaaggcga gggccgtcac ccgcctcgcc ggatccggct 180

cccgccatac gcatgccgat gctcagtact ccgggggtcc ggtccccggg gtcgcgttcg 240

acccccttcga catcgaggcc gaccctccgc cgttggcgct gacacacgag cagatcaagc 300

tatgcaagga cgcgctcgcg catttcgagc ggaggagcaa gcagctggat gccttgtccg 360

acgagttcca acggcttcag ggcatgagaa caatgcatcc ggagatgatg aaaatgtcca 420

ctgtagctcg tgatgctgcc aatagggaga agaaccgcta tattgatgtc ttaccatctg 480

atgataccag ggtacgggta aaatcatcag caaccagcca aatttaggca atgattacat 540

<210> 6032
<211> 414
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316023d05b1

<400> 6032

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gagcggccgt cgatggggga cgtcctctgg aatttggagt atgtcctgca gctccaggat 120

gtggattctt cgaccgtgtc ggacgtgaac agcatgaacc ggatcgtcga cctgtcgtca 180

caagttcagc atgtgggtgc catggagagc atcagcgtga cgatggcgga ggacggagct 240

ttgcacgagc ctgaccacga cctctccgac gtgtcgatga gcagggtttt ctctcagctg 300

atcaaagctg aggggaggtg aaaacgcgcc ggatgatctg ttagggtacc ggtagaggtg 360

tgggcaagcc ttggattctt attttcttgt tgaagtttac ctgagatgtg tcac 414

<210> 6033
<211> 469
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316023d08b1

<400> 6033

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agtgaaagaa gggagaacaa aagaaaaaaa agcagaaaaa aagagaaggg atggaaagga 120

gcaagatact caatgaaaaa aaaaaaataa aaggggggggg gcgcgtttgg gggacccccg 180

ttttccggcg gggccttggc ccgcctgtgt ttttttgtg ggggcccaaa ctgaaattac 240

cggggcgtgt ttttccaccc ctggaagggg gaaaccccgg ggggacccca aattgttggt 300

gggggggagcc ttccccctttt tcgaggggggg gtaaatccga agaggggccc gtccatggcc 360

cttttccaaa catttgccct tcctggaggg gcatgggggc ccccccctttt ggggcctttt 420

tagccgggggg gggggggggg gccccgcgga ggtgggccgt ttcctttgg 469

<210> 6034
<211> 479

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316023d11b1

<400> 6034

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cagaacgatg aggaccaggc ctacaggaag atcagactcc gtgctgagga tgtgcaaggg 120

atgaatgtcc tcacaaactt ctggggcatg gacttcacca ctgacaagct caggtctctt 180

gtgaggaagt ggcagacact cattgaggct catgtggatg tgaagaccac tgacaactac 240

atgctccgca tgttcgccat tggcttcacc aagagacgcc caaaccaggt gaagcgcact 300

tgctatgccc aagcaagtca gatcagacag atccgccgca agatggttga gatcatggtc 360

aaccaagctg caagctgtga cttaaaggag cttgtgaaca agttcatccc tgaggtgatt 420

ggaaaggaga ttgagaaggc cacctcaggc atctttcccc tcagaacgtg tacgttcgc 479

<210> 6035
<211> 274
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316023d12b1

<400> 6035

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agcaagatgg tgaagggacg caccggccag cgcgtgaggc tctacgtacg tggcaccatc 120

ctgggataca agcggttcaa gtggaaccag tacgagacgg tgtacttggt gcagatcgag 180

ggggtgtaca ccagggagga cgcggcctgg tacggctgcc agaggatggc ctacgtctac 240

aaggccaaga ccaagagcaa cgggacgcac tacc 274

<210> 6036
<211> 428
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316023e03b1

<400> 6036

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tgtggcaggt ccctgagatc ctgaacgagg aagtccttgg caagatgggc gccccgccca 120

agaccgacgt gccggtgatc tccccgcagg agctggcgga ggcggacggc gtcctgttcg 180

ggttcccgac caggttcggc atgatggcgg cgcagatgaa ggcattcttc gactcgacgg 240

gcgggctgtg gagggagcag agcctgtcgg gcaagccggc ggtcgtgttc ttcatcacgg 300

gcactcatgg cggcgggcag gagacgacgc ctctgactgc ggtgacccat ctgacccacc 360

acggcatggt gttcgtgccg gtggggtaca cgttcggggc caagatgttc gacatggaca 420

aggtgcag 428

<210> 6037
<211> 465
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316023e05b1

<400> 6037

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gaagccggat ctgttcgagc ccctcaaggc ccaccagtca cccaagtgac cttgggcctg 120

gagccaggcg aggccttcac cgtccgcaac atcgccgcca tggtcccgtg ctactgcaag 180

aacaagcaca ctggtgtcgg gtcggccatc gagtatgccg tctgcgccct caaggtcgag 240

ttcatcgtgg tgatcggcca cagccgctgc ggcgggatca aggccctcct caacctcaag 300

gatggcgccg atgacacctt ccacttcgtc gaggactggg tcaggatcgg gtacccggcc 360

aggaagaagg tgaaggatga gtgctccgag atgccttttg aggagcagtg cggctgtcct 420

ggacaaggag gccgtcaacg tgtcgctcca gaatctgagc accta 465

<210> 6038
<211> 540
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316023e06b1

<400> 6038

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acgtgttccg ccggttcgcc ttcgacacca tctgcaagat ctccttcggc ttggacccgg 180

gctgcctcga cctcgacatg cccatgtcgg acctggcgaa cgcgttcgac accgtctcgc 240

gcctctccgc catgcggggc gcggcggctt cgccgttggt gtggaagatg aagcggatgc 300

tcaacattgg gtccgagagg gagctcaaga aggccatcaa gctcgtcgac gacctcgcgt 360

cggcgatgat tctacagcgg cggaagctgg gttttgaaaa tagccatgac ctcctctccc 420

ggttcatggc ctcggacgga gacgtgcatg ccatggacga caagtacctt cgcgacatcg 480

tggtcagctt cctcctcgcc gggcgtgaca cggtggcctt cgcgctgacc acgctctttc 540

<210> 6039
<211> 289
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316023e08b1

<400> 6039

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gatgcagaat gaccctgaaa agaaagagaa cgaacaactg gaagaaatga atggcccttc 120

aaggccatag atactatgag gggggggccc ggtctaaaga agcacactgt tggccccctt 180

cgatggctgg gagaacatct gtactggggt gccctaaatt acagggacgg gcgcggaact 240

gacaccgcgt gtggtggaaa aacccgggga gctccaaaac aaaaggcct 289

<210> 6040
<211> 420
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316023f01b1

<400> 6040

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cagaaggagc tcggggagtg gcaggccagc cctcccggag gcttcaccta caaggtctcc 180

gacaacctgc agcggtgggt catcgaggtg tccggggcgg aggggacgct ctacgccggc 240

gagacgtacc ggctgcaggt tgacttcccg gagcagtacc ccatggaggc tccacaggtt 300

atatttatgc atccggggcc gatgcatccg cacatttaca gcaatgggca catctgtcta 360

gatatattgt acgactcgtg gtcaccagca atgacggtca gttccgtgtg catcagcatc 420

<210> 6041
<211> 538
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316023f05b1

<400> 6041

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gaagacagca tgcaacttgc agaagcaatt aataggtggg atgaagatgc agtaaatgtg 120

cttccagaat acatgaagga tatctactta tatttgttgg aaacatttca ttcttttgag 180

gaccatttag gacctgagaa cagctaccgt gtggtttatc taaaagaagc gttcaagaaa 240

ttggttcaag catacagtga tgaactaaaa tggcgtgatg aaaattatgt accaaaaaca 300

cttaatgaac accttcaagt ttcatcagta agtattggaa cctctgtggt agcatgtgct 360

atatttgttg gcatggatga cacaacagtg gaaactctca cttgggtgtc gagcgaccag 420

aaacttcttg aagtctttgc tatatataca cgttttacga atgacatggc atcagcaaag 480

cgtgagcaag caggggggcag tgtgctctac tatccatcgt acatgaggag catggatg 538

<210> 6042
<211> 386
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316023f07b1

<400> 6042

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atgacaaagc ttgcttactc agcttgcaac aagcaagcct tggtcttcct cttctaccct 120

ctagctagct agctttctcg acccccccaag aaaaaggagc aaccaaaatc tcatactaga 180

tcgattgatg ggagctagct ggcttgatta gctgcaattt catggcgcgt aattaagatc 240

cagggcatca tggtgaagta gctcggcaag aagtcaactc atcaagaaag cttgctagcc 300

gcccttgaaa ctacacaagg aagatgaaga ccagatcgag gaaggaagca cgctatagca 360

cagagagcta ggctaggtgg agagat 386

<210> 6043
<211> 449
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316023f10b1

<400> 6043

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tgtcatgatc ggatggggat cccaagttca gtcccatctt cactttgctc cccctcactg 120

cagcttctct cctatctgtc gagatttact atgtctgtct acagctattc tacttgatat 180

tgttcttgga gcatcaaagg caattgcttt actggttaac atgcgtagga gggtactgtt 240

gctcagcgtt attatacctc tgtaaataca tgtataggag gattcttgga gcttcgcaca 300

ctcagtaagg ccatcaaagc tacttgcctt gctggtcaac atgtataaga ggacccctgt 360

acatacatgt ttgctgtttg ctataaaaga agtactcttt ggtggattga gaagattgtg 420

actatgaaac cttctagatg tacagaaag 449

<210> 6044
<211> 432
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316023f11b1

<400> 6044

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agcttcgcta aagatggctg ggctactctc tgtcaaggcc atcgcgctcg ccgccgtgct 120

tgctgccgcg tatgtctctt gcgccgccgc tgagcagctg ggggcggcgg acctcgacgc 180

ctccgccgtg tcttacagct ccgcgtggct tccggccaga gcgacctagg acggagcgcc 240

caacggcgcc gggccggacg acaactgcag cgcgtgcgga ttcaatcacg tgaaccagca 300

cccgttctcc tccatgacct cctgcggtaa ccagcccctg ctcaaggacg gaaagggctg 360

cggctcctgc taccagatac cgcgcacagg cgacatatcc tgctccggaa agatcgagac 420

ggtgatgatc ac 432

<210> 6045
<211> 439
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316023g02b1

<400> 6045

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gctgtccgtg agggagagca tgtctttggc gttgctcaca tctttgcatc cttcaatgac 180

accttcatcc atgtgactga cttgtctggg agggaaaccc tggtgcggat cactggtggc 240

atgaaggtca aggctgatcg tgatgaatcg tcaccctatg ctgctatgct tgcatctcag 300

gatgttgcta cccgttgcaa ggagcttggt atcaccgcac tgcacattaa gctccgtgcc 360

actggaggca acaagaccaa gacacctgga ccctgagccc agtctgctct cagggctctt 420

gctcgttctg ggatgaaaa 439

<210> 6046
<211> 453
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316023g10b1

<400> 6046

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ttacttctgt actatgctaa ctgtactgac agtgtacata tttctctatg gtaaaactta 180

tctggcttta tctggtgttg gagaatcaat tcaaaatagg gcggatatac agggaaataa 240

agcattgagc gtggctctga acacccagtt tcttttccag attggtgtgt ttactgcaat 300

tcctatgatt ctaggtttca tcctggaaga aggtgtcctg acggcttttg atagcttcat 360

tactatgcag ctccaactat gctctgtatt tttcacgttc tctcttggaa caaggactca 420

ctattttggt cgcacaatac tgcatggagg tgc 453

<210> 6047
<211> 265
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316023g12b1

<400> 6047

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ctgccgaacc agaacaccga ggattacccc agctcaaagc tcgtcatcag gggcgatggc 120

ggcactggca aaaccacatt ggagaagagg catctcactg gagagtttga gaagaaatac 180

taacccacca ttggagttga cgttgacccg ttggattcca ccactaactg aggaaagatc 240

cgcctctact gcatgggaca ctgat 265

<210> 6048
<211> 434
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316023h02b1

<400> 6048

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tgattgatct gattttgctg gtcagcttac aaattcaagt aatacaacta ttgcaatgca 120

tcttactacg tgtgtatcta tttgcattga tattttctcc tccttaggct ccaaatcgtt 180

tgtgggtcat aaattattat gcattattga tgttaatttg caatttaaat gacaataggg 240

atgggtttta taagtgcaat ggcttgaaat gtgaccttcg agtcaagaaa tttccttagt 300

gggaagctta tgtgaagaat gatgtaatta agttagcaat ttacagttct ctttgataat 360

tgtaactgaa ttgtcaatgg ccagttctct tgaatagtga gttgctccct caaatttaca 420

atagagataa tttg 434

<210> 6049
<211> 362
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316023h04b1

<400> 6049

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cgcctcctaa gtgcaaacca ccgacagctc acagttgatg ggatacttat atacgacagt 120

tcatggagga gaccccatac gaagccacac tatgctattt ctagaataag tggtgtaata 180

ttccctgtat tccagttatt tctattgttc catgcatgtg tgatgagtat tagtactctg 240

tatttttttt tgcttggcgg tatatgttca tctactttgg atgtgactcg actccttgtt 300

cttctgacta tctacgcatg attgtattca ttcacatgaa tgagctattt tgtcaatgaa 360

ct 362

<210> 6050
<211> 322
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316023h05b1

<400> 6050

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aagcaagatg tacaccgcca ggaagaagat ccagaaggac aagggcgtcg agccctccga 120

gttcgaggac accgtcgcgc aggctttctt tgacctggag aacggcaacc aggagctcaa 180

gagcgacctc aaggacctgt acatcaacac tgcaatccag atggatgttg ttgggaacag 240

gaaggccgtg gtgatccatg tgccataccg tctgcgcaag cccttcaagg agatccatgt 300

caggctcgtc agggagctcg ag 322

<210> 6051
<211> 363
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316023h06b1

<400> 6051

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ggggcagcca gggcggcgga ctcgtgcgga gaggagagag gggtaggcca ggacctcaga 180

tcgagctcaa ggagctggac attaacactg caacccagac ggacgaaaga cggaacagga 240

cggcgggggt gacccatgag tcatacggtc tcagcaagcc cttcaagaag atccatgtga 300

agctcatcaa ggagctcctg aagaatccta gcggccagga catcggcttt gttgcaacaa 360

aga 363

<210> 6052
<211> 259
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316023h07b1

<400> 6052

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aggaagaacc gggggagctc gcgggcaccc ccgggggggg gccacgacga acaagtgagg 120

aacgcagggg ccgtgggcag tactacgtga gtgtgtatgc gcacagaagg aatgatcaac 180

ggagggccca gacactgtgg gggggaggac gactccacga ctgatagaca gaactgacgg 240

ggacggaaag gacaacagg 259

<210> 6053
<211> 152
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316024a02b1

<400> 6053

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tgatgtatga acggtctgac aacaggttgc ttcactggaa cagcatcagg gttgagtgat 120

aaacaaagaa aataaaagga ggagcccatg ac 152

<210> 6054
<211> 393
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316024a05b1

<400> 6054

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gatggccacg ctgatggtgc ccaagaagga ggcggcggac gaggccggca ggaacgacct 120

gttcgtggac ctcagctacg acgacatcca gagcatgtac aacggcctcg acatgatgcc 180

gccaggggac gatctgctct actcgtccct cttcgcctcc ccaagggtcc gggggagcca 240

gcccggcgcc ggcggcatgc cggccccgtt ctaagcagag ccaagacaca gaccgtcaga 300

taccgagatc gacagaagtg gaacggatga cttcttcgcc gcgagcgagc gagatcgcgg 360

cgcagtggaa atacagcata ngaaacggga ggg 393

<210> 6055
<211> 194
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316024a11b1

<400> 6055

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gacgcgtgtg tggagttgcc tgaacatcta catgttgaag gggaccaaga tggcaataaa 120

aattcatgct gtgaaaaaaa ggacataaaa aagacatagt aaatatgagg aggagtacat 180

gacgaaagac gaac 194

<210> 6056
<211> 417
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316024b03b1

<400> 6056

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gcaatcatct gagtagtaga atggcctcga aagctataag gaggaggcct accgagaaag 120

aaagagagag acatatggaa acaacaatgc cggaatctgt cacagcacct cttctaggaa 180

atagtgccca ggggaataaa tcggaggggt atgagcctat accggatttc tgggatggaa 240

aatcacgcga gtgccttcat tgggtgcata ttgtatctac ttttattact cagtctgcaa 300

gaaagatagt caatgctatt tcggagtttg gttcgttcct agcaaggttc tttggttgct 360

cccgtgctcc ccaaagttca caaaatgcac agacaatgct aattcacctc agtccat 417

<210> 6057
<211> 430
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316024b04b1

<400> 6057

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gcaatcatct gagtagtaga atggcctcga aagctataag gaggaggcct accgagaaag 120

aaagagagag acatatggaa acaacaatgc cggaatctgt cacagcacct cttctaggaa 180

atagtgccca ggggaataaa tcggaggggt atgagcctat accggatttc tgggatggaa 240

aatcacgcga gtgccttcat tgggtgcata ttgtatctac ttttattact cagtctgcaa 300

gaaagatagt aaatgctatt tcggagtctg gttcgttcct agcaaggttc tttggttgct 360

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cggaggagag 430

<210> 6058
<211> 401
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
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<400> 6058

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gtggcgccgc tgaccatctg cgtgatcggc gccggcggct tcatcggctc gcacctctgc 180

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atccgccacc tcgtcgaccc gcccccgccc cacctcgccg gacgcatgtg cttccaccgn 300

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aacctggcgg cgatctgcac gccggcggac tacaacacgc g 401

<210> 6059
<211> 514
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316024b07b1

<400> 6059

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tccgaccgca aggggaaagg taccaagagg gcgcatttcg tcaggaactt gatcagggag 180

gtcgctgggt ttgctccgta tgagaagcgt atcactgagc ttctcaaggt tggcaaggac 240

aagcgtgccc tgaaggtggc gaagcgaaag ttgggtaccc acaagagggc gaagaagaag 300

agagaggaga tgtccagcgt cctcaggaag atgagatctg ctggaactgg aacagacaag 360

aagaaataga gcatcccagg ctcattaagt tgatggcaat cttctgttct ggtgtccagc 420

ttttactgca tgtagaacct actagacctg aaactgttat ccgcttgcta aacattatgc 480

tatgttgaac cctctgtctt gagagatctt tgat 514

<210> 6060
<211> 103
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316024b08b1

<400> 6060

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aaaaaaaaaa tttattaaaa aaaaagcata aagcattcaa aag 103

<210> 6061
<211> 306
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316024b09b1

<400> 6061

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aaaaaaaaaa aaaaaaaacc aaacaaataa acatgggccc gcccctcaaa agaaccacaa 120

ctcccgaccc cgggcacgca agaaaaaacc acttccatag ggcccccaaa ataaaaaaca 180

acggaccccg ttaaacaacc cggggacggg gaaaccccga accggcccca cctaaagcac 240

ctggaaaaaa aacccccttc ccccagaggc caaacaagga aaaggcccgc cccaaccacc 300

cttcca 306

<210> 6062
<211> 460
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316024b11b1

<400> 6062

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tggctgctgg tttgaccccc agcaggtgca acgaactccg cccggttttg cgaacattga 180

ttgtttaaag tatcccatcc tcttatgtaa acactactta tttgttcatt attgtcgccg 240

agcacaaact atttggacga actttgctct gaggaataat aaataaagca ccttcggact 300

gtgtttatga aaaataaaaa tataaaaaaa actataaaaa aaaaaaaaaa ctaaaaaaag 360

ataaaaaaaa aaaactaaaa aaagaacaac aaaaagaaaa aaaaaataag ccaaggggggg 420

ggcccttta aagaacccaa atttccctcc cggggcttgc 460

<210> 6063
<211> 472
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316024c01b1

<400> 6063

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actaccagca taatactcgc attgcctttg tggagtttgt tatggctgaa agtgctacag 180

ctgctctcaa ctgcagtggt gttatactgg gttccctgcc aataagggtg agtccatcta 240

agactcccgt tcgtccccgt gctcctcggc caatgaacta gagttgtagg tacaggaggt 300

gccaatggca ctgcttatat atagagagat cgacatatgt gaaagagaaa ttaagatatg 360

tcttttcttc taagttatcc gctcgagtgt ctttttattg catcgccggt aagtatcaag 420

actcgagcgg aggaggggaa aggaaaaatt agaaatggct ggtcggtgtt ta 472

<210> 6064
<211> 473
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316024c02b1

<400> 6064

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gggatggaaa acattagacc gccgtgtact caacgtagaa agaactggca acctacttca 120

tcttcagtta gggcttctca caaatggctt taaattattg aaaacaggcg gatcacttgt 180

ctatagtact tgcagcttga ctgttgcaca aaacgagaat gtggttcagc aattcctctc 240

aaaacatcct tcagcagagc tgctaaagat caatccagcc gatagctggc cctgcagaag 300

cggcggcatc cagaaaacct tgcggttcga tcccgcgacg tcacaaacta gtggactttt 360

cgttgccaag ttcgtcaagt tgcgatgttc tttatgagat gctcgcaact tcgtataagt 420

taatttcata tgaaaccagg atgtcgcgag tcaaatttgc taggtttact cta 473

<210> 6065
<211> 497
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316024c05b1

<400> 6065

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ttcaccaatt tcacatcgac aatatgggcg acgctaccgt ggagtctcct tggtggcgcc 120

tggccaaggt cggtctgtgg aggatcacac aagacaacgg cccctacaac ggcagaatcg 180

ccaccatcgt cgagatcatc gaccacaagc gcattttgat cgacggtcct tcatccgacg 240

agatgcttgt ggtccccaga caagccatgg cactttacga aattctcctg gcccccatcg 300

tcgtcgagtc gatgccccgc gccgtccgca ctggtaccgt caagaagttc tgggagaagt 360

ctggcgtcga ctccaagtgg aaggagagct cgtgggccaa gcggcaggag cagaaggagc 420

gtagacgggc cctcaccgac tttgagcggt tcaaggctct cagactcaag aagcagcgac 480

gattcgagga gcaaaag 497

<210> 6066
<211> 485
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316024c08b1

<400> 6066

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agctgaccaa gggcggcggc gcggtgggcg gcgacagcca ggagtgcgtg tacacggtgt 180

acgtgcgcac ggggtcgatc tggaaggccg ggacggacgc caacatcacg ctggagctct 240

acacggcggg caacgccgac ggcgtggcga tcgcggacct gccgtcgtgg ggcgggctca 300

gtgggggggc cactcctact tcgagcgcgg caacctggac atcttcagcg ggcgcgggcc 360

gtgcatggcc ggcgcgccct gccgcatgag ggtgtccttc gacggcaccg gggcgcacca 420

cggctggtac tgcaactacg tggaggtcac cgtaaccggc ccgcaccgcg gttgcgccca 480

gcagc 485

<210> 6067
<211> 250
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316024c09b1

<400> 6067

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tcagcagtat acgcatgtgt gatgttgcgc acagccgcat agcgtatgca ggcgtgcgtg 120

cttggcggcc atcagcccct atcgcgcgcc cgtgcagcgc ttaaataagc gctaatcgtg 180

aaccagaata aagcttctcg cgattagtag caaaaaaaaa aaaacaaaag aaaaaaaaaa 240

actaaccgag 250

<210> 6068
<211> 126
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316024d01b1

<400> 6068

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gttaaccaaa aacttttaaa agaaaaaaga agagaaagag aacaaacaac tggcgtaaac 120

atgggc 126

<210> 6069
<211> 54
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316024d02b1

<400> 6069

tttactcgta cgcccacgcg tccgcccacg cgtccgacta gttctagatc gcga 54

<210> 6070
<211> 474
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316024d03b1

<400> 6070

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tctgaagggt ctgggtggtc tcctgtttat cgccagcagt tcatttggtg cttatctcct 180

ggctctctac cttgctttca tcacgcccgt cgtctatgac ttctacaact acgacatgga 240

gaaggctgaa tttgtgcaga tcttcatgaa gttcacacag aacctggcgc tgtttggagc 300

ccttctcttc ttcctgggca tgaagaactc ggtccccaag aggcaggcca agaagaaggc 360

ccccaagtcc aagacaactt agatagttgc ggagaagact cttatttaac aaagaagcta 420

ccgtacctgg ttctcttatg tgtaatcgga tccgctttga agggggggtgc aggc 474

<210> 6071
<211> 482
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316024d04b1

<400> 6071

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agttgtggtg cctcatgtag agttgaagca tgtggttgct gctaccattg gtctgaaggg 120

tctgggtggt ctcctgttta tcgtcagcag ttcatttggt gcttatctcc tggctctcta 180

ccttgctttc atcacgcccg tcgtctatga cttctacaac tacgacatgg agaaggctga 240

atttgtgcag atcttcatga agttcacaca gaacctggcg ctgtttggag cccttctctt 300

cttcctgggc atgaagaact cggtccccaa gaggcaggcc aagaagaagg cccccaagtc 360

caagacaact tagatagttg cggagaagac tcttatttaa caaagatgct accgtacctg 420

gttctcttat gtgtaatcgg atccgctttt gaaggggggt gcccgcccta ccaggtgtgg 480

gt 482

<210> 6072
<211> 297
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316024d05b1

<400> 6072

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agcaacagcg tgtcgagggg ggacccaaag gcgaacgcac gggcgggggc accaaccccc 120

cgggcggggg aaaccccggg ggccccccaa gaagaagggc gggggggaaa ggcccctatg 180

gcaggggggg gaaaaagaaa agggggcgga ccgggcggcc ctccccaaaa agggggcacc 240

cggaagggag aaggggcccc cccccggagg gggccaaaaa acccgggggg gggggggg 297

<210> 6073
<211> 111
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsro9316024d10b1

<400> 6073

tcctcacgcg cccgaaaaaa aaaaaaaaaa aaaaaataaa ataaaaaaaa aaaaacaata 60

ctacaaaaaa accaaaaaaa aaaaaaagaa caaacaacag acaaaaacat g 111

<210> 6074
<211> 486
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316024d11b1

<400> 6074

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tcccattcga tccgatcacc acaaaaaacc tcaagcttct cgaccggttt attagttgtt 120

caacagccaa caccatgagc tctcggatgg ccggagccac gttgctgcgc cacctgggcc 180

cccacctctt cgccgccgcc gagccggcgt ccgggctcgc cgcgagcgcg aggggtatcc 240

tgcccgccgc cgcgaggatc ttccccgcgc ggatggccag caccgccgcc ggcgcgcatg 300

ccaaacaaga aggtgacgct gaaaagcccg agagcgccac agcgccggag cagaacaaga 360

agcccgtggc gagctactgg ggcatcgagc cgcggaagct cgtcaaggac gacggcacgg 420

agtggccgtg tttctcctta ggccgtggga cacgtaccgg ncgacacgtc ctcgacgtgg 480

ccaagc 486

<210> 6075
<211> 172
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316024e03b1

<400> 6075

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gggaggaaac tgttgattca gtgcgtagat atcagttttt tttctattcc agatgtgttt 120

tggttaattc attgggcttt taattcattg ccattggttc aggctatatt ca 172

<210> 6076
<211> 505
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316024e05b1

<400> 6076

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gatttttaa aaggagagac gtcattcgat cccagccaga ttcacatnga tcgatcgccc 120

ccacctttcc tgccggatct tctcaggagc agcagcagct tgaattcttg cggatctgcg 180

gctgcgaatc ccagtctcgt atcaactcga ccaggcggag gagaagcagg gggaagatgt 240

ccaaggcggc gctgacactg gaggaggtgt ccaagcacaa caccaaggac gactgctggc 300

tcatcatcgc cggcaaggta tatgatgtga ccaagctttt ggaggatcac cctgcaggtg 360

atgatgcact gctgtcctcg actgccaagg acgcaactga tgactttgag gatgtcgggc 420

acagcaccac cgtccgtgcg atgctggacg agtactatgt cggcgacgtg gatacagtta 480

ctattcctgc ccggacaaag ttcac 505

<210> 6077
<211> 440
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316024e08b1

<400> 6077

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aatatctcaa agctggagga tcaacttagg aaggcgaaga agaaaatggg tgaagaaaat 120

atccagaagg ctgtcaagat tgccatagat gctgcagaag ctgctctttc tgaaggaaaa 180

accttctgtg ttactcatgc tgatgtgggt cttgacacca ctgctgtccg ggaagcagtt 240

gtcaaagcca tgaaccgttt caagggtttg ccgataatgg tattcagcac agatgaggca 300

tcaaacaagg ctgttattta tgccggcgta cctccggatg cacccaatgg cttcaaggtg 360

ttggattggc ttacaccttc aatcgcacca ctcaagggaa aaggaggagg cggcaagaat 420

ggtctcgccc agggccaggg 440

<210> 6078
<211> 465
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316024e10b1

<400> 6078

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tttggtgagg ctatgcttca cactgttgga tatatttatg tacggcaagc ggcaagagaa 120

cttggaaaga gtaaattgta tatgggtgta ccattcatag ctgagtgggt aagagacaag 180

ggtcacacca ttaaatcgca agttcatgct gcttcaggtg ctattgctct gatgcagcta 240

caagaaggaa tgaaaaaggt ggaggagggt gccgacaagg aagagcagct tatgaagagt 300

tttgaggaga aaaaagaagc catgcttaat tctctatgga aaattaatgt ggtcgatatc 360

gagtcaactc tttcccgagt atgccaagca gttcttaaag atagcactgt ctcaaaagat 420

gttctgaagt tgcgaggaaa agcgttgaaa aagcttggaa cgata 465

<210> 6079
<211> 513
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316024e12b1

<400> 6079

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tacttattgg gtccaacaag aaatccgagt tcccggtaaa gtgggggctg gctccgcaaa 120

gcgagcatga aagatatatc acagaagtcg catttggcgg cagtcctgca ataattagag 180

attatccaaa ggaaatcaaa gctttctata tgcgacaaaa tgatgacggg aaaacagttg 240

cggcaatgga tctattggct cctggggtcg gcgaacttat tggaggaagc caaagagaag 300

aacgacttga ttaccttgaa ggtcggctgg atgaatcaaa tcttaacaaa gatagctact 360

ggtggtatct ggatctgcga cgatatggat tcagttcctc atgctggttc tggccttgga 420

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tccagggctc ctggctctgc agagctctag cac 513

<210> 6080
<211> 267
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316024f01b1

<400> 6080

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gaagagaggg aggatgaaat aaaaaagaac cgccgaggcc gccggcagac cacagagaga 120

gcgcagaccg gccaacgggc gcaaagaacg gccccggggg gggcaccgcc agggggcgaa 180

ggcaaccccg acgaaggacg gaccgaccag cccgcccccg ggggcgggga gaacaacaga 240

accgggcagc cagcctgaca gggacga 267

<210> 6081
<211> 298
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316024f02b1

<400> 6081

tcgcgacttt acttgttcgc ccacgcgtcc ggacgagtgc gatccatact ttgatcaggc 60

tggctgcaag catcctggat gcgaacctgc ttatcctaca cctgtgtgtg aaaagaaatg 120

cacggcgcag aaccaagttt gggaggaaaa gaaacatttc agcatcaatg cataccaagt 180

aaactctgat ccacatgaca ccacggcaga ggtctacaat aatggccctg tcgaagttgc 240

tttcacagct tatgaggact tcgcacacta caagtcagga gtgcacatgc acatcacc 298

<210> 6082
<211> 264
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316024f03b1

<400> 6082

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ccgtgctgag cctgggtccg ctcatcctgc gcaaggatgg gcccgccagg ggcgacggca 120

tctgcgtgga cgagccgtgc gcagacgcaa ctgtgagccg cggcgacggg ttcaccttaa 180

caacggaccc cggagggcac gacgactggt tctacagaag aacgcagctc tccccctgcg 240

acagccgact taacctgggg aacg 264

<210> 6083
<211> 457
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316024f04b1

<400> 6083

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aacggcgtgt acgagccgtg cgcggacgcg acggtgagcc gcggcgacgg gttcaccttc 180

aagggtggcc ttcgcggggc gcgacgcctt cttctccgga ggcgtgcagc tctccccctg 240

cgacagccga ctaaacctgg cgaacgcagg accgctgcta gagctattcc gccccaccgt 300

cgacgagatt gcggtgctca ccgacaacgc ctacgacccc aaagccctga cattctgatg 360

gtgggcacat ggaggccttt gccaggagga agatcgcggc aaggatgccg cccgtgtacg 420

taggcaacaa cttcgacaca gataccggat tgaccct 457

<210> 6084
<211> 362
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316024g02b1

<400> 6084

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ctctgccggc atggcggcgg gcgccgtctt cgtcgaccac acgaccgcct cggcagcggt 180

cgcgcgtgag ttgcatgccg tggcggccga acgtggcctg catttcatcg acgcgcccgt 240

ctccggtggc caggcgggtg ccgtcaacgg cgcgctgaca gtcatgtgcg gggggacgc 300

cgcgcccttc gacgctgcca ggcccatcgc gctggccttc gccaaggccg tcacgctgct 360

gg 362

<210> 6085
<211> 201
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316024g03b1

<400> 6085

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accgacggtg cttttcacca aaaccagaag agatcgcgta cgcacaactg gcgcaatgat 120

ggcccttcag agccattgtt tatttgagga agagtgcctg acgaaagaat aactgggtgc 180

ccgccttcgc tgggtgggcg a 201

<210> 6086
<211> 192
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316024g04b1

<400> 6086

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gcagagccca caagaggagg ggagccagga ggaaagaagg aaccgaaaga ccaaccacga 120

gacgtgggga accaccagga accagcaccc caacgaccag gaggcaaaga aaaaacacgc 180

cccagggaca cg 192

<210> 6087
<211> 518
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316024g10b1

<400> 6087

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caagtggcac ccgcattggc tgccatgaga accattctcc tcgccatggc cgcgatggcc 120

atcctgagca ccgcttcggc ggcaatctac aacatcggcg agccaggtgg tgcatgggac 180

ctcaacacca actacggcac ctgggcatcc tccaggaact tccaccccaa cgaccagatc 240

gtcttcaaat actctcccca ggcacacgac gtcctcgagg tcagcaaggc cgactacgac 300

tcctgcagca ccgcaagccc catcgccacc ctcaactccg ggaatgatgt cgtctccctc 360

accaccaccg gcacccgcta cttcctctgc ggcttcccgg gccactgcgc cgggggaatg 420

aaggtcaaga tcgacgtcgt gccaagctca tcctcttcct cgccggcccc agccagcggc 480

cccagtgcaa gcaacgctcc cccgccagcg cctgtctc 518

<210> 6088
<211> 488
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316024g11b1

<400> 6088

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atgctaagga gatggacttg gcgcggaggc ggaatttgct ctctattctt gcaattctgg 180

cggcaactgt cacgtaccaa gctggcctga acccgtcagg aggcatttgg cctgctgaga 240

acagtaaggg tggcaaacca ggcaatccag ttcttcaaga cagccaccca tagcgctatg 300

atgttttcta ctactccaat gctgtctcat ttgcgtcatc tgcggctgtc atcattcttg 360

ttgctaatag ggaatcatgc gaggatggaa tcaagtcgta cgcaatccgt gcgtgcttgg 420

tagcggattt gctgggccta ctgattgcct attctgcagg aacctgcagc atagcgagac 480

ccgtaata 488

<210> 6089
<211> 253
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316024h02b1

<400> 6089

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gagggagcaa accggcacac tgctgatagc cgggagcctg ccccagaccc atggcgctca 120

cagggatcct caaggagctc aaggacctga acagggaccc gcccaccagc ggcagcgcct 180

gccatgaggc gcaagaaagg atccactggc aggcgacaag acacgggtcc atcggcaagc 240

ccagatgccg gcg 253

<210> 6090
<211> 203
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316024h03b1

<400> 6090

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cttctgagga gncgccagcg caactggcgc aagcattgtc gtttagttgg acggactccg 120

acttgtggtt agcttgacta tagacgaaat attggtcccg ctgcagatgg aggggcgacc 180

actgtacatt gtactgagtc tgc 203

<210> 6091
<211> 351
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316024h04b1

<400> 6091

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gaggtctatg ttgtacttgg agggacgcag actcgtggta gtcttgtgta tacacttcat 180

atcggtcacg cggtttatgg agggacgacc aatgtggatt atacggcata tacatgttat 240

attgttacag aggcttgtag atatgagtcg cgtatacgat tattcgagat tgggtacgta 300

attttgttac acatgcatga gattatttat gaatatacaa ttttttcgtt t 351

<210> 6092
<211> 316

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316024h05b1

<400> 6092

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gcccattgct gagcaattca gcgtcgaggc catgccaacc ttcctgttca tgaaggaagg 120

agacgtcaag gacagggttg tcggagctat caaggaggag ctgacgacca aggttgggct 180

ccacgcggct gcctagtaat cacctagcgg agtagtattc gcctaaataa aattgccgct 240

tgagaagtag tgcctccaat ggcaccggat atgctgtgta ctgcttgctt cttgcgagtt 300

tatggatgat ggtgac 316

<210> 6093
<211> 426
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316024h06b1

<400> 6093

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gaaccccgat gatcctctgg tgcccgagat cgctcacatg tacaagactg atcgggccaa 120

gtatgagtcc acggcgcgct cctggacgca gaagtacgcc atgggctaga gcctggacgg 180

ccagctggtg accatggatg cgccgagccc cagaaccgtt atcacctaaa taaccagcca 240

aagtatcacc ccaccccgtg acgaagtgaa tggacttttg aggccgtcgt gcccctgttg 300

aactcgtatg aatgtactct ttgccatgtc aagtccgttg ggtctgggta gtctgttcta 360

cctgacgttt cgttatccat taagttaaat ctctgtccgt atcatgatat gtatggcttt 420

ccattg 426

<210> 6094
<211> 358
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316024h07b1

<400> 6094

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agagctgcgc gcttcctggt gctcctccag atcgtcctgg acgtgatctg ggacgcgctc 120

atgagcggcc ccgtctgcca tggagcccga gcagggatcg acgggggagc tatagatcct 180

aatccaccga caggcacaga ggctgctggt gacccctaca ccggtcgtca gtgcagcaga 240

tagtacaggt gctcaccaag tgttcagccc tgataacagc agaaacacct ctcccgaaca 300

atggaaggtg tggacgattg caccgcctgg atgcatgccc acatctagct agcaatac 358

<210> 6095
<211> 267
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316024h09b1

<400> 6095

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atgcacccca tagacgtcgc cggcaaggtg tgccagcacg acgaggcccg cgccatcgcg 120

tgcagcatgc cgaagctccg gcacctggag atcgggtaca tgctgatcgc gaccaacgcc 180

gtggtggaga tcgcgtcccg gtgccgcgac ctcagattac tggacctgcg ctgctgctgg 240

ggcgtggacg acaagctgct gcaggac 267

<210> 6096
<211> 88
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316024h10b1

<400> 6096

tcgctcataa ccaaaaaaaa aaaaaaaaaa aaaaaagatt atttaaaaaa aaacgaagat 60

actacagaaa aaacaaaaaa aaaaacaa 88

<210> 6097
<211> 329
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316025a02b1

<400> 6097

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tgctcgtgta ccaggacacg ctttccggcg acgagcttct gtcggattcg atcccttaca 120

gggagctgga caacggcatg ctctggcaag tcgatggcca ttgggtcgtt caaggagcac 180

ttgacgtgga cattggagcc aatccctctg ctgagggtgg tggtgatgct gtgggtgatc 240

tgaaacagga gctggatgac actaggtcta aactcggcac ttgcctggcg gtttacaacc 300

gctgtgctgg gaaaaccctg atgttaccc 329

<210> 6098
<211> 240
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316025a04b1

<400> 6098

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gggattcagc aaagtactga cgcatgcata cagcatacca ctgcaaatgc tgctcataac 120

cttggaccat caagagatga accaacaact gatgtcttcc gcagagagcc ctggtgtcac 180

cccacacaga gaagaacacc tactggagtt gaacaggaaa aggcttctgc cgttaccgag 240

<210> 6099
<211> 110
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316025a05b1

<400> 6099

ttcagtgcat actcaagggt gttcttgttt atgcaaatcc cttgttattg ggatgccggg 60

ataatgcggg aacatactgg cgaatggatg acagattgct gttacagtcc 110

<210> 6100
<211> 143
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316025a08b1

<400> 6100

gcattctact ggcccacgtt ttacaccgac tttgactgtg aaaaccacga agagcacaac 60

tgaatcgcct tgtggcacat cccccattcg ccagctgaca caatagctaa aaggtcggca 120

ccgatcgacc ttacaaaaag ttg 143

<210> 6101
<211> 285
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316025a11b1

<400> 6101

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aggaaggctg gccgcccctc aaaggggagg aagatgcccc gcctcctcca gtgtgttgct 120

gcatgggcgc acgccaggag agcagatctg gtcagacccg cgttctgccg tgcctgaaca 180

ccaccaatgg gaccggagcc tgactgtaca aaggaccaac tggggcttcc tgaggacagg 240

ctgaaagagg cggtcggtca ctctagccct aacaatgtca cgggc 285

<210> 6102
<211> 391
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316025b01b1

<400> 6102

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agcgggtaaa agggtgctca ccaaaatgga aggcgtcgag agcttcgaca tcgacatgga 180

gcagcacaag gtgaccgtga agggcaacgt caagccagaa gatgttttcc agacggtctc 240

caagaccggg aagaagaccg ccttctggga ggcctaagcc actcctgcac cggacgctac 300

cccggccgct cctgcagcgg aggcagcccc ggcagcagac gccgcgcctg caccggaggc 360

tgccccagca gcagacgccg cgcctgcacc g 391

<210> 6103
<211> 206
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316025b02b1

<400> 6103

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ataatggcat tattattggt ttgagtgagg aggtgtgctt ttccagatac agttttgtct 120

cgtgtgttct gccatgtctg aaatacttcg caagctgttg ctcatatttg tgcgtgtttt 180

gttaatgatc ctggccctac atgatt 206

<210> 6104
<211> 459
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316025b03b1

<400> 6104

tttgctccgc cgccgccgcc ccgtgctttt cgcacgtgag cctcaccttt tcggttggcc 60

aactggaagg gggcgtttta cctggactaa accgccacta tcgcgacttc ttgattcagc 120

ggctcgtgca gttcttccaa ggcgccatca ccgtgaagga tctcgtcttg cggtttactg 180

ggccagagat gtggatcatg ccgaagaatc ccttctctgc aatgtcgaac ctgagaaggc 240

tgctggtcgc cgacgtgcct tcctcatggg acgcctcatg gccgcgcctg ctcatcgagg 300

cggcgccgtt acttgagagc ctatatgtgc atgtctccca cagcgaagat gagccgagac 360

aggaggtgcc gggggagacc tcgggttcgc gccattgcca tttgaaggag ctggttgcca 420

ttggattcca gaggacggac aggcagatgc accttgtga 459

<210> 6105
<211> 347
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316025b04b1

<400> 6105

agattcattg ataatctcgt ggtgtgttca ggcggtttgg cgagatctgt caaggagggc 60

attcccgctg atgaagcaga tctgcgtgac atgataacgt ctctagagag tctgttacgt 120

gacgggatcc agcctcgcgt ggggcggtat gctgaacaag agttacgtgg ttttgatacc 180

accttcaaga gtttgttacc tgatgctgct gcagctacca ccatcaagga agagccggat 240

aatggtgatg ccaccagtag ctgccgtcag gatcaggaag gggcggcgag ccactgatga 300

acgccgtaca tcaaggatgc tgggatcttg gagtcttcta cagcttt 347

<210> 6106
<211> 454
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316025b05b1

<400> 6106

ggaagcacaa tgggctactg cacatttttc actccatggc cttcattttt ctccgagccg 60

gcctcccata cactgttcaa cgacaagagc agctaccgcg agctctctga gatcgctgag 120

caagcaaaga gaacagctga gattgcaagg tatattatct ttccgcttcc aggttgctaa 180

tagatcagac gagtcaggct agtcgttgat ttgctaatgc ccttttcctg atgattatgt 240

gcaggctgag ggagctcaac acactcaagg gccacgttga atccgcggtg aagctcaagg 300

gccttgacat cgacaccatc aaccagaact acaccgtgtg aggagtatcg acattggacc 360

aacaaacatg acatccgtat tggagcgaga ttggaatgga gctccgcttt aagatttttc 420

cggtgaatga atgaaacaaa catggctgat ctga 454

<210> 6107
<211> 351
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316025b06b1

<400> 6107

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cgagaagcct gagccagtga ggacacatct tcgtaacatg atcattgtcc ctgagatgat 120

tggcagcctt atcggtgtct acaatggcaa gaccttcaac caggttgaga ttaagcctga 180

gatgattggc cattaccttg cagagttctc tatctcctac aagccagtga agcatggcag 240

gcccggtatt ggtgccacac actcttgccg gatcattcct cttaaatgag ttatgccgct 300

ttctactttg aaagaattca gtacggacca tctggtggca tggccatcta g 351

<210> 6108
<211> 303
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316025b11b1

<400> 6108

ctctccaaca gaggagaaag gtaatagtaa gagggtgccc cgatatctcc tctccgccga 60

gggtgctgcc ggatggggaa gagatgggga aggtgctccc agctctacta taagtagtag 120

gactagctta ggtgtctact tagtggcgac tggcgcgacg ccggagattg ggtttatgac 180

tatggaggcc tagtctcttg cgcgccccag ccgcttccgg tggctgctgg agctcacctc 240

cataattggg gtgagatgcc atgagcgcaa agctgctcac ttatgcgcag ttaacagcca 300

tac 303

<210> 6109
<211> 289
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316025c04b1

<400> 6109

ccacgcgtcc gcccacgcgt gcggtttttc ccgcggctac tcaaggttgt gtcagggcaa 60

cggcaggatc atggacatgg tggagctgga cgaggtggag ctggagaagg cccaggccaa 120

cggcaaggcg gtcaccatct cggtgccggc cgccggcggg gaagccggca tgtagcgcga 180

caacgagaac tgatcgctgg agcaagagat gggtggatct tgatgctgtg gtggtgtgcg 240

tagcttaaag atgagctcga tgacacgagg cctaagcttg gcactggcc 289

<210> 6110
<211> 262
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316025c08b1

<400> 6110

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agagggagtg gtgttggcat cccttcgttc ttcctggagg gattgtatca tattgcattg 120

gcatgaaaac cacaccgcat aacatacatg gggctagact gctacggtgc tagctgatgc 180

tcccctgtaa cgtatcatta tggtgtctgg tgagatgctg gcgctctact gttgaacgga 240

actcgagaca tgaaggcaga ct 262

<210> 6111
<211> 463
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316025c09b1

<400> 6111

ggcggacgcg tgggccaagt gcgcccactt cgacgtcact gtcgactgtt tagcccgccg 60

gccccacggg cggcatgctc gtcttcgtct ccggatccct ccaagtcgac ggcgagcacc 120

acatcaagtt ctcccagatg ttccacttga tgccaatcgg accagggaac ttctatgtgc 180

acaacgacat gttccgcctg aactacggct aagaatctta ccaaaggtcg tgcttcccca 240

tggaagacag aatgttctgc aaaacaaaca attcggttgt ggtttttgtg tttgatggtg 300

aaaaactttg tggtgctttc atgccaacag cttatgaaat ccactgagga tgaaacataa 360

cataacaccc tgtactatgg gtctgcgtct gaaattgtat cgcggctttt cttgtatcaa 420

tgctatgtgg aggccatggg aaaaacttag cagttcagtt ctt 463

<210> 6112
<211> 318
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316025c11b1

<400> 6112

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gagcgggtga gctagcacct ggcatgctga tggccgtctt gggccacctc gtctctgagg 120

cggagcgcat ggcccaagat gaacccatct ggctccacat ggtcctgatg gaagagcact 180

acggtgctaa tataactgat tggagctaca agaagagcta gcgctgcgag tggcacaaat 240

gcatgaggag actgatatca caagggctca aattgcgact attatgtaga ggacaacggc 300

aaaactgggg aaacacga 318

<210> 6113
<211> 118
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316025c12b1

<400> 6113

gacagagcgg gcggggagga ttttttcaga aggttcagcg attcttgcca cgcacgcaga 60

catggtgggg aaagcgccgg caggggctgc aggcggctac tcggacgatg gttcaaag 118

<210> 6114
<211> 98
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316025d01b1

<400> 6114

ctggcgcaat catggaccgg gggggccatt gagggtatcc agaggagccc acgacggaag 60

aagaaccgat ggtccccatt cggtggccgg aagaacaa 98

<210> 6115
<211> 343
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316025d02b1

<400> 6115

cggcacacgc gcctcggcgg cgggcccttg tccgaacggt ctccttgttt tccctgccga 60

gcaagcttta tttatggacg tctctctgcg cggcggaacg tgaacggcat tgtggctttc 120

gcattatggc tagcactctg taatgcactc ctgtctcctc ctggtgtccg actgactgac 180

tgtcttacag tcgcaaccgg tcatggtatc gagtaagcgt cggcctctgg tattatggca 240

ctaaaaaaga gcatggaaaa catcgggcgc tacttttttcg acagcaccgt caacaagcgg 300

cgatgcccct aaagaacatc ttggggctgg cagctcagag gac 343

<210> 6116
<211> 409
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316025d04b1

<400> 6116

cggattgatt cgaagaatct gattggtgtt tctaactgtc atatctgtct ttaaagcttc 60

agcaccactg caaatgcgct gactgaacct attgatgtat acagcgaatg gatcgatgag 120

tgcgagcgcg tcaacactgt tgaagatgat gatggtgcat gagcatgtgt aactataata 180

ctcgtatggc ctcaatgtgt tgatgtcatt tactgccacc gtcagccata tctgtagtag 240

cattgtaaca atgtactggc cgatcgaaac gttagtaggc agtttgtccc gtgcttaata 300

cacaaccgat gatattgtgt acctgtattt gtaaaccttg atatagcggc tgagattaca 360

cctaatctcg gtacctgcaa agaaatttat acttatgctt aaataaaca 409

<210> 6117
<211> 429
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316025d07b1

<400> 6117

cgagcccacc gaattcctcg cgattccttt accctcgcct cctcgtgctt cccctcctag 60

gggatcgccg gagaggaatc gcgacgaggg cttcctccta tcagttaaat caaagccatg 120

gagcacaagg agaccggctg ccagtctcgg gagggcccca tcctttgcgt caataattgt 180

ggcttcttcg gcagcgcggc gaccatgaac atgtgctcca agtgccacaa ggagatggcg 240

atgaagcagg agcaggcaaa gctggccgcc tcctctttcg acagcatcgt caacggtggc 300

gatgccgcga aagaacatct tgctgctggc agcacggcgg tggcagctgc tcacgttgag 360

gcgaagacgc ttattaccgc acagcctgct gatatcgctg gtccaagcga gggggcgatg 420

gacaacccc 429

<210> 6118
<211> 409
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316025d08b1

<400> 6118

atctttctcc atgaaccagg cggggtcatt taggaggaat gtgcccaccg tcgctgctcg 60

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gaggaacatg ccacctgtta ccatcaatgg caaaaggcgg accacactga acggcatctc 180

ttactccccg cctgctactc cattgaggct tgcggatctc tatgacaaga aagaagtcta 240

cacactggac ttcccaacca tgccgtctga tggaccgccg gcgatcggat cttctgtcat 300

caactcgacg tacaaaaact tcatggagaa tgtgtttcag aacaacgaca cgaaagttca 360

gacctaccac atcgacggat acccctttg ggtcgtggga atggactat 409

<210> 6119
<211> 167
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316025d10b1

<400> 6119

gggcggacgc gtgggaaaag aaggattata tatagaagac ctccttattt tttcagacaa 60

agaagagaag aagaagcgcc aacatgcgtt ataatggtgg tcctgggccg cctgttgaat 120

ctgtggagga ggccatcact actgaagaac atattgccgc cctcctg 167

<210> 6120
<211> 303
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316025d11b1

<400> 6120

ggctatccgg cgcgggagtg taccattttt taggcagcac cgctgttgtt gccggccgac 60

cctgaggagg tggtgtccgt acaagtggcg taatgatggc ccttgggggc cattgctttt 120

ctgtggagga gttcatgacg gatgatcaac tggttgccct cctccggttg gtgggtgaac 180

aactgcaccg tgatggcatg ctggcggcga cgaaagaaga actggtgctc cgggcggcac 240

agctagaaga ggaggttgat gacaggagga ctaaggttgg tactggtcgt tgtactacaa 300

cgt 303

<210> 6121
<211> 250
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316025d12b1

<400> 6121

ggctcacgtg cgcggagaag gacggttttt tcggcggatt tctagtgtct atcggaccac 60

agagactgca agtgcatctt gctggtgtgg tagacggcgc tcgagaatgc cgacgctaca 120

cgtaaggcgg ccaccatctg ggtgccggac tgaggcaggg aaagacggca tgcaaagcga 180

cgactagaac tgagcggtgg agccagagat gggtggatct tgatgctgtg gtggtgcgca 240

tgtcttgtgc 250

<210> 6122
<211> 438
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316025e04b1

<400> 6122

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tgacgttgtc gaccagaacc gggcacttgt ggatgctccc gatatggtca ggtgccagat 180

gaacttcaag cgtctttcgc tgaccgacat caagattgac atcaagcgta tccctaagaa 240

ggccactttg atcaaggcca tggaggaagc tgatgtgaaa accaaatggg agaacagctc 300

atggggcaag aagcttgctg tccagaagag aagagcatcg ctgaatgact ttgacaggtt 360

caaggtcatg ttggctaaga ttaagagggg tggtgctatc aggcaagaga ttgccaagct 420

caagaaggag gttgctgc 438

<210> 6123
<211> 433
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316025e05b1

<400> 6123

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caccatggcg catatggaag aagttgctta tagctttacc tgacaggcag gaactctagc 120

attttctgct tgctgctttt gtagataaga attgtgccag atagatttcg agacgacaca 180

cggaacagag ataaggttgc acatagcagt tatgagtctg cacattgttg tacaaatttt 240

gtgatttttac atactccctc tgttcacttt tgtaagacgt tttagacagc tgaaatcgaa 300

ttgttctagg tgtggtctca gatgtgtaaa acatgtgaca gatgggaact ccgggagcag 360

cagataaggc tgggcatagc atgtatgcaa ttgcatctgt catgattagc tgctggtaga 420

gaaacagatt tgt 433

<210> 6124
<211> 188
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316025e10b1

<400> 6124

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cttttgtgct tcttggttat caaattatat gttgctgatg agacagtttg actagttcta 180

gatcgcga 188

<210> 6125
<211> 528
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316025e11b1

<400> 6125

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tgccgatggc tatactggaa atgtgcagtt tagagatgct acataagaac tgtgtgagca 120

ctcatgtttt acaaattagg atcacaacag tgacactaaa gaagtgaaga tgcaagtatc 180

tgtttccgcg aagtcactcc tttgtacttg tattgtttcg ttttactcaa gtgccttgat 240

acaagatact taagtatttt tcggttttac ctcgttcctt attactaacc cacaaccgta 300

cttncggtta atgtggtctg gactgtcatt caggtgcttg ctggagcttc cagctacagg 360

tgccatggaa ggaataaaca tgatcacaac gggctctctt ctcatccttc ctgagtagaa 420

actaatcggc tgtgacagat cccacaatgc tggctgtggc cggtaggctc atgaactatg 480

cttttagttt gtgattaata atggcggagt gacacgaagg atgacttc 528

<210> 6126
<211> 469
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316025e12b1

<400> 6126

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ctgtctgtgt gcacatctgt ctgataacat cttgagcgag ccagaatgct cgagtgacac 120

gaaaaatgcc atcagaaaag catatctact taccgatgag aaaatattgg aaaaagcagc 180

tgagttgggc agaggaggct ccacggctgt tactcgcatc ttaataagca ggagcgatag 240

tgcgaagcta gaggtcgcga atatgggaga ttcacgagca gttattagca agaatggcaa 300

cgcagagcag atgtcagttg atcacgagcc tagcatggag ggagaaatta tcgaggaaaa 360

aggcggattt ggttcgaacc taccaggaga tgggccacta gttgaagggc acttggctga 420

tgcaagagca ttgtgagacc ggcgcttgaa tagcacctca cctctgagc 469

<210> 6127
<211> 371
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316025f07b1

<400> 6127

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cgcgcgacaa gagcaaggtc accgtcacct ccgacggcgc cttctccaag aggtacctca 120

agtacttgac caagaagtac ttgaagaagc acaacgtgcg ggactggctt cgcgtgatcg 180

cagccaacaa ggagcgcaac gtgtacgagc tccagtactt caacatcgct gagaatgagg 240

gcgaggagga ggattagagc gcattgccat attgtagcgc ttgccgagtt ttgacacttg 300

atctgagtac ctactagcta tccacctatc ttatgttgtg cccctatgaa catggatggt 360

ctaattcgaa g 371

<210> 6128
<211> 392
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316025f08b1

<400> 6128

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ctgatcggtt catgccggca tatgatatgt tccgcctaaa attaaataaa agctgggacg 120

agatgagcag cgtcatcgtg cctatgcgtg tgtgtgtgac caacaaatat gtataccaga 180

atgtcgagtc ttaggcgctg cgtttgctct ctcgagaaaa agttggtgtc gctgggtgtg 240

cagctatccg ggatatcctt cgcgcataga cacctgtagg gactgggcgt ggctgccaat 300

aatgtgagct gttttgacca cgcaataacc aaaaaataat gtgttgcaaa aaacaaccct 360

tttgaagctg gcgaaataaa aaaaagacaa aa 392

<210> 6129
<211> 98
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316025f10b1

<400> 6129

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caaaaagaga aaaaagaaaa acaaaaaggc tataaacg 98

<210> 6130

<211> 458
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316025f12b1

<400> 6130

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ggtcgatgca gccaggacca gagatagact gatcatcaag gtagtggagg cgcgggcaca 180

ggctctcccc ctcatgcgcc taacggaagc gaccgacctg caagacgagc acgctgcggg 240

tcctgcgcca gagcacgggc acatgaccat ctaatacgga gaccaggcgc tggagcataa 300

cgaggtccct gcagaaaggg tggccgagcc gatcaggata gctgccacaa caggcaccgt 360

gccaggggac ggcgaccagc ccatggggag gaaggcgctc gctgatcgga ccatggagaa 420

gcgcagagga agggttgccc cgcgcgcagt accttaca 458

<210> 6131
<211> 183
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316025g04b1

<400> 6131

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gagagagtga gtacccacaa cgggggtagc tgtcgccgtt gagggccagt gcgtccatgt 120

ggtggaatcc atgacctaag atgcactggt tgctctgctg cggtgtctgg gagaacagat 180

gaa 183

<210> 6132
<211> 310
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316025g08b1

<400> 6132

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aaggaagaca aaatgggcga gacggaaaag gcacagagct tcaaaaagct ccatgccgcg 120

ggtaggaagc tgaccttcat gacatgctgg gctcatgagc agccaagtga ggcctggcca 180

tcgctggctc gcatcgctga ggtgcacaaa gtggcttctg aggagcttga cagcggaagc 240

ggactgagga aggcaggtcg aaagaacaac ccacagtcca aggctcttat cgaggaggtg 300

taagcatatc 310

<210> 6133
<211> 227
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316025g12b1

<400> 6133

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tgcatctgag cagcagagat agtcggtgca ccaaggcggc cgaggcgcgg gcagaggctc 120

tccccttat gcccggagcg gaagtgcccg cactgcatga cgagcactgc tgtgggtcct 180

gcaagcggag cacgcgcaaa tgaccatctt ttactgcggc caggtgc 227

<210> 6134
<211> 322
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316025h01b1

<400> 6134

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gatcgatcct gccctgtgca agacatcaga atatggatgg atgaacactg gtcgaaatca 180

tatcatatct accggcccat tttgtctggt acgggagttc agttatccgg catttggaga 240

aaggctgtgg tgggatatat gatgatagca tgccctatta tccgaaagcc cgcaccggct 300

cttctggcca cacaatagca tt 322

<210> 6135
<211> 311
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsro9316025h02b1

<400> 6135

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gagtagggga ccgcccaact ggcgttatga tgaccctcct gggccatcgt tcctctgctg 120

aggagaacct gacccctgaa gaactgattg tcctgcctcg ctgagctgcg ggaacaactg 180

atactcatga tggccggctg acggtgacga atgaagaact ggagctccct gtggctgagc 240

tgaaggagga ggtggatgac acgaggacta aactcggtac tggccgacgg tttacaacgc 300

cgtgactggg a 311

<210> 6136
<211> 443
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316025h10b1

<400> 6136

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ggcttagccc tcttcgacac gaacggcgat ggatgcatca gcttggaaga gctggccgcg 120

gtgactggct ccctgagcct agatccgacc aaccaagagc tcaatgacat gatgcgtgaa 180

gtcgacatgg atggaaatgg caccattgat atacaggagc tctggagcct cattgccagg 240

aagatacaag atggatatgg cgatgaagag ctcaaggaag cttttcaggt cctggacaag 300

gatcagaatg gaaatatctt cgctgtcgag ctgatgacgg tgatgatcaa actccgggag 360

aagatgaccg accaggaggt taggcacctg atcagggagg ccgacactga tggcgaccgg 420

catgtgaact acgacgaatc cgc 443

<210> 6137
<211> 432
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316029a01b1

<400> 6137

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ggggtgcagg tctgtgtgcg gccgaggata tcggtggaca gaagttggag aaactggcac 120

ccaagatcga cgagcctgtt tacctgtgta aggacgattg ctttgtagct gcattcccтt 180

cctcgcaaat ccacatcacc tatggaattg attttccaaa ggcgccagcg attggttgtc 240

aatggttcaa tactttcctg gatgctgata tatactcaag caagatagct cctgcaagaa 300

ctttctgtat ttttgaagag gttgaaaaaa tgcgtgatgc ccggctataa aaggaggatc 360

actggaaaat gctatggttt gcagtatgtc tggtggttgg cttaacccac cacttcgttt 420

tgatgatgaa cc 432

<210> 6138
<211> 553
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316029a02b1

<400> 6138

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ggacgaaatt aatgaacaga cagaaaacat gaaacaaata caagatgctc tgtcagctcc 120

tcttggagct tctgctgatt ttgacgagga tgaactggaa gcggagctgg aagagttgga 180

gggagcagag ttggaatctc aactactgga gcctgttgta actattccta ttcatacgac 240

acccgtccca ggcaaggcac aaccaactcg tactgctcca cagaaagcat cggctgagga 300

ggatgagctt gctgcactgc aagctgaaat ggcattgtga tcaggctccc agtgaagaaa 360

gagttgaaat gtataaatga ttggctggac ggtacgtggt cgcaggcgag tctggctaca 420

catatatttg cccgtgtgtg tataatctcg ggtgggagac atttgacgaa cgaggcatga 480

aaggctgctc cagtccagtg tttatttcta tctagttgct tgatggaggt ctgtttcccg 540

gacataattt ttg 553

<210> 6139
<211> 55
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316029a05b1

<400> 6139

aaaaaaccga aaaacttttt aacacccggc gaaccggcgc gggcggccac gatga 55

<210> 6140
<211> 131
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316029a09b1

<400> 6140

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cctgatacct atgatatgaa tctacggtcc atgctatggc acctactggg cactgtatca 120

ccagatgccg c 131

<210> 6141
<211> 457
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316029a10b1

<400> 6141

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agggttattc gtatggtgtt ttgtttagtc atggtcggtt gaggagtaaa ttccatggtc 120

cttcctggga acgattggtc agtgattatg gtgttcgtcc tcgtgatata atgaccatta 180

ggcttgaaca ctatggaaca tggattggta ttgattttaa tcgtgttggt cgtggagatg 240

cgttgtctcc tttaccttct gttggtaagg tttatttta aggaactttt tagcttgttt 300

tattgcacat gatgatttgt ctgttccctc gagactgtgt aattatattt tgcagctctt 360

gatggctcga gcgactccga gatggaactt attgagagtt gttattacac ccgtggtgtt 420

tttcttaatt atcagcagat gtatttcatg aggtgtc 457

<210> 6142
<211> 474
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316029b01b1

<400> 6142

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gctctcccgg cgtccagctc caccctgtcc cgctaactct cctcccgccg gatccagccc 120

acggacgtca ccgccctcgc cacctggggc atcttcgccg gcagcgccgc catctacctc 180

gtccagccat ttgactggat caagaaaacc ttcttcgaga agcccgagcc tgaggcataa 240

gtgtctatgg gggtgcacgg ctacagcttt tgatgcgtac attntcagga tgattctctg 300

agtttggaca acccagccaa taatatacaa gaccctcgtg atcccttggt tgattctcca 360

tccagatgta ggtttcctct tgcgttgcat gtaaccctca ccatgggagg ggaatgatca 420

tgtaaattta ttttccgtca cagaggaaag aaactgtgct tttgttatta aaaa 474

<210> 6143
<211> 576
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316029b02b1

<400> 6143

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catgcagatc gaggaggcca acgccgccaa gaagctggtg gtggttgact tcactgcatc 180

atggtgtgga ccatgccgca tcatggctcc agttttcgct gatctcgcca agaagttccc 240

aaatgctgtt ttcctcaagg tcgatgtcga tgaactgaag cccattgcgg agcaattcag 300

cgctgaggcc atgccaacct tcctgttcat taaggaagga gatgtcaagg acagggttgt 360

gggagctatc aaggaggaac tgacgaacaa ggttgggcta cacgcggcgg cccagtaatc 420

acctagcgga gtagtattcg cctaaataaa attgtggctc aagaagcggt gcctctaatg 480

gcaccttata tcctgtgtac tgcttgttac tcgtggtcgg tgatggtgaa tacgtgtgac 540

tttattcgta aaatgttgat ttcataggag ctgact 576

<210> 6144
<211> 448
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316029b10b1

<400> 6144

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cagaagacct gcaacatctt cttccgcaag gacatcaagt cggccgtggc gtcccaacag 120

aagcaacttg atatcgccaa ggcgaagctg cagaagctgg atcaggcatc atgaaggttc 180

actgcaggca gaaatttgaa attgcaactt atgctgcttc atccatccac ctcgctgaat 240

tctctctaat caagtgtctt cggagtgcca gttgactagg atgcaactta tatagatttc 300

tgtgtaataa tggtgtgttt aatagttacg agtgcgagac acatcatttc tttctgaata 360

tggtggagac tggatacggg actgttgtca caatagaccc attatgaagg tgatgcgatg 420

atttgatgga gctaaaaaaa aacaaata 448

<210> 6145
<211> 469
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316029b11b1

<400> 6145

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cggagccggt gaggctcatc agctgcttcg ccagcccggt ggtccaccgc gccgagctgg 120

ccctgcgcct caagggcgtc ccctaccagc tcatcgagga ggacctcaac aacaagagcg 180

agctgctgct cacgcacaac cccgtccaca agaccgtccc cgtgctcctc cacggcgacc 240

gctccatccc ggagtcgctc gtcatcgtcg agtacgccga cgaggtcttc tccggccagc 300

cgctccttcc cgtcgacccc ctcgcccgcg ccaacgcccg cttctgggcc cgctttctgg 360

acgaggagtg caagaagccg ctgtggatgg cgctgtggac agacggcgag gcgcaggctg 420

cggcggcgag ggagaccaag gagaagctga cgctgctgga ggcgcagct 469

<210> 6146
<211> 280
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations

<223> Clone ID: uC-tsro9316029b12b1

<400> 6146

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agatgtagtg aaaaacaata gcatttttgt taaaaaaaag agagaatggc atttcaggct 120

gtacctgtna aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaat aaaaaaaaaa 180

aaataaaaat acaaactaat aaaaaacata taacgggggg ggcgcaatat aggatccaat 240

gttccgtctg ctgcgcaaac aacgtcactt gctttttttt 280

<210> 6147
<211> 93
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316029c04b1

<400> 6147

ttatttaaaa aaaaaaaaaa aaaaagaaaa aaaaaagaaa aaaataaaaa aaaaaaaaca 60

aaataaaaac acaaaaaaag aacaaaaaca aac 93

<210> 6148
<211> 541
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316029c06b1

<400> 6148

gttctagatc gcgagcgccg ccctttgttt ttgtttttt tgttttaaag tccaacatac 60

ttttaaattt gaagaagata tcactacaat tacatatgaa aaatgtcagt cactctgaac 120

ttttataagg gcaaaatcac tgtctacttg cttatattaa agtacaacat tgttcaaact 180

ttatattgat gaatatttgg tagcgaattc agcgatattc ttgtcggaac ttccttcttc 240

ccgcattgcc tccttggcct tttgcatcca cttcacagca tttcttttgg acttatcatt 300

tctctccaca tccatcatct ctctaatgca cctctcaacc tcctccatct ttagatatcc 360

attattgtcc ttccgtacac gcacacccat gctccatgca ctctccatat actttgcaat 420

ggtgggttgg tctgcccaat gcggaatacc cacaagaggt acaccattag caagtgcctc 480

tagtgtcgag ttccatccac aatgggtaac aaagcaacca atagccctat gtgcaagaac 540

c 541

<210> 6149
<211> 436
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316029c08b1

<400> 6149

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tgatgctggc ctgaacatga tgagaacatg tacatacaac aggcgaaata catggacatt 120

atgtgccatt gtttctttgc gtagggggcc gtgtcttaag aggacccgtt tgcccctctc 180

cgctcggtgg gcgaaccact ttttttgggg gtcccccaga tctatgtctc ttggacgggt 240

ttgtcccatc cgtgtggctg ggcaaaacgt ggtgtttccc aacctaaggc ctttggttgg 300

cacttccccc tcttcccctg gttttaaaaa ataaagggcc ctgccgtacc ccccttttcaa 360

cacttggccc cccatttcgg gtaaggggac cccccctttt ctggggctat taggccgggg 420

ggttgtgggg ttcccc 436

<210> 6150
<211> 327
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316029c10b1

<400> 6150

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gcgctccgca cgtcgccgca gtggctcggc ccccagatcg aggtcatccg gtctgccacc 180

aagtccatcg agcgcgaggt caactccgtc aacgacaacc ccgtcatcga cgtccaccgt 240

ggcaaggcgc tccatggcgg caacttccag ggcacgccca tcggtgtgtc catggacaac 300

acccgtctcg ccatcggcaa cattggc 327

<210> 6151

<211> 482
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316029c12b1

<400> 6151

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cgctccggtg cgccgtcgac cttggcgtcc ccactgccat tcaccgcctc ggcggcgccg 180

cgtccccatc cgaactcgtc gccgccctat ccctccccac gtccaagctg cccttcctcg 240

cccgcctgct gcgccaactc gccacggcgg gcgtcttcag tgcaaccgac gccggaacgt 300

accgcctcaa cccgctctcg tacctcctgg tagacggcgt ccgcatcgac ggcgacgcta 360

gccagacggc cctcgtgcgc gccgtggact cgcgctacta cgtggaggcg gctatggggc 420

tggcggactg gttcaggaag gacttcgatg gagcccgtcc ctcgccgttc gaggacgtgc 480

at 482

<210> 6152
<211> 109
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316029d01b1

<400> 6152

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aaaaaaaaaa tgaagaaaaa aaaataaaaa aaaaaaataa aaataacag 109

<210> 6153
<211> 512
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316029d04b1

<400> 6153

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ataaattgga ggtgacatga taggccggag ataattagga ggtgttcatg tgtgcaatta 240

gatttttggc tgagatggta ggattgtatc ataggattca acatgatggc tacagattct 300

tcttcttcca gtcgtggcag ctgcggtgct ctatggtgtg ttttttttcc tgcttttatg 360

tgagatgcta ccttagcagt atgcaaagat ccccaagtta tatttgagac tttgcgggat 420

tagcttataa gatgcttgtt gtagagctgc tggttgacct gaactgatgc tttgctatag 480

cgatgattta taacattcag agttacttta cc 512

<210> 6154
<211> 645
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316029d05b1

<400> 6154

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catggcagta ctaagagccc taagggagag ggattcttca tgttaccagc tgccccgtgt 120

ggtacggcaa ggcgagcagc caagagaagg cttcctactt ctgtccaacc tcgtcgagga 180

tcagatggca ggaacaagca gttacatgga ctggatactc caaatccacc gccaaacaca 240

gagctcgtga tgatgtacgg cggatgttcc agaaattttt gtttttgtgt aaactgctgc 300

agattcggct gctgtgccag tccccggtcg ccctcataac cattggaaca aaaaatggcg 360

agccagccgt gttctacaaa tgccatcctg ttagcagcag cagcgctctc gctgtcggcg 420

agcaatacaa actntattgt taatantttc gtcttgtgat tatttntcgt gacgagacaa 480

ggatacacaa gctgttgtac cagaatatgt aggcagcacc ttttgtcaaa tgtacaagcg 540

tttgagtctc cgttagggtt tgaacgcatt tgtatcgcca caatcttagc tgcaagatgt 600

gaaaactttg ttgaaaaaaa aaaaaaaaaa aaaaaaaagg gcgcc 645

<210> 6155
<211> 134
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316029d06b1

<400> 6155

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gaatgatctc catgtgtact gccgctcccg cacggggatc tctctgaatt aatcgacata 120

agcttctacc gttt 134

<210> 6156
<211> 292
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316029d07b1

<400> 6156

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gtgcctctgt tgtcaactct atttcatttt tacactgtca tgcttggagt ttaatgcaag 120

tgtattaagg aataatgatg attattgagc tgggtagtcc ttgtggtgca gcttgtatag 180

ttctaaaaat ttctggtatc taaaaaaaaa aaaaaaaaaa taaaaaaata aaatatcaaa 240

aatcatagtg caaatctcaa aaaagtttct tttacactcg atatcaaacc tg 292

<210> 6157
<211> 507
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316029d08b1

<400> 6157

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ttcaggaagt gcatggagcc agtggagaag tgcctgaggg atgccaagat ggacaagagc 120

actatccatg atgttgtgct tgttggtggt tccaccagaa tccccagagt tcagcagctg 180

ctgcaggact tcttcaacgg gaaggagctc tgcaagagca tcaaccctga tgaagctgtt 240

gcctacggtg ctgccgtcca ggctgcaatc ctcagcggtg aggggaacga gaaggtgcag 300

gaccttctcc tcctggatgt caccccactg tctcttggtc ttgagactgc tggaggagtc 360

atgactgtgc tcatcaccag gaacaccacc attcccacca agaaggagca ggtcttctcc 420

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accagtgaca acaacctgct cggcaag 507

<210> 6158
<211> 148
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316029d10b1

<400> 6158

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tggaagggta aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aacaaaaaaa aaaaaaaaaa 120

aaaaaaacac aaaaaaaaaa aaccaaaa 148

<210> 6159
<211> 407
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316029d11b1

<400> 6159

tttctgacgc gtgggcggcc gcgtggggtc gctgctgcga ccaccgcacc catcgttcac 60

aggttctccg gtagtcaaaa ggacttcttc aagaatttcg cggtctcgat ggtgaaaatg 120

gggaacataa gtccattgac gggaagggct ggggagatta ggaacaactg tcggagggtg 180

aacaacaaac cctattgaag aatgagatta atgttatgag ttgtgaactc attgtccttg 240

tgtatatcat tcttttaatt aattctaact gtaagtgttc ccttattatt ttctttggaa 300

acacacgagg cctaaacttg agactggcca gtcttttaca actttagtgt ctgggaaaat 360

cccgctttcc cccacctcaa tcgcctagca cttcatgccc ctttctc 407

<210> 6160
<211> 453
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316029d12b1

<400> 6160

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cgtgtcgcta gcagtgttgg tacttctggt tcaggatcct ttaacccaca agttgtgccc 180

cgcggttgag gtaaatcctg aggacgacat gcatgggagt cttgggagta gcatcttcac 240

cgttttcact tcacgaaact cacacctatt gtcctttagg accgtgtttt gagaacctag 300

tatagttgta ctttactacc tgtggtggtt catcttgaat tggagagata ccctcttggt 360

ctgtatggct tagctaattt ccccttaaga ctaacgctat cgcctaaagt taccgaggat 420

gttctcggct atggtattgt agccttgtgc tct 453

<210> 6161
<211> 563
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316029e01b1

<400> 6161

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ccgctttctt cgccgccggc acgccctatc ccgccgtctc cttcatcatc ggcgcgcccc 180

atcctgcgcc cttcttcgct gccggcgcgc cccatcacgc ggcccttctg cgccgccggc 240

gcgccccatc ccgccgcctt cttcgtcgtc ggcgtgccct tcttgcggcc ttcgccacca 300

cctcccgtcc cactccaccc tccctcgttc ctccacctcc ttgccccgat ccagaccgcc 360

cagaccccga cgcctccacc aacggcgcgc gcggacctcc ctccctctac cgcctccctc 420

ctctccagtg gctggcttcc caaagcgccg acgcgcggcc atctccccaa tccccggatc 480

agctaggggg atcccgcgct cacagncgac cacagggccc cgcgctacca tatgcgaact 540

ncgcggatcc cggcctcctg atg 563

<210> 6162
<211> 354
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316029e05b1

<400> 6162

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ggcggcctcg cctgggccac cgacgaccag tccctccaga acgccttctc caagtacggc 180

gacgtcatcg actccaagat catcactgac agggagacgg gccgttcccg cgggttcggg 240

ttcgtcacct tcgcgtcgga cgaggcgatg cgccaggcga tcgaggccat gaacggccag 300

gacctggacg gccgcaacat caccgtcaac gaggcccagt cccgccgctc cggc 354

<210> 6163
<211> 459
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316029e08b1

<400> 6163

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tggtatccag acgggtatgc tggcgggcgt gtgtgcattt ctattgttga tgcacctggt 120

gatgacccga atggatgcga gcttgcaaga gaacggcgga cacctgtgcg cacagttgag 180

agcatagttt tgagcattat taggatgctc tctaggccaa acgatgagac tgcagcagat 240

attgacgggg gtgaagactg gagagaaaag agggccgagg tcaggagact ggtgaggagc 300

cttgatggca tgcttcaaga aatgctgtgc atatggagga gcatacgggg gagtccacaa 360

gcgctggaat actataggtg gcaccaagat ggcgcacctg gtgccagcac ttggactatt 420

ccccatgtaa tgttccattc atggtgagtc gaatggtga 459

<210> 6164
<211> 549
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316029e10b1

<400> 6164

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agccgctcat tcttcatcta ttaggagtca aagggatatg aagagtagca ttcgtgagga 120

aatgtttttc tctggtccac aaccttcgcc tgagcctagg aaccgaaatg ttcctcttct 180

ttcgggcttt gaacgtagag tttgggttga gcttcttgct tggcgcttcc atacaggaaa 240

gttttgggct ttgtataagc tcaagaaaca tttgttcagt gctttgcatt atcaggatta 300

taacatggtt atgtccattt acaatgatat ggacatagat aattatgttt tccaattcgg 360

ttgttgggct gattgtccct cttggagatc ttgtatccat cgtggttcta tttctggcaa 420

ctcaactcag ccactttacc attatcaagg aactccacgt gagttccttg atgaagggtc 480

tgagactggg tctgatatag aggagcagat ggccttcggt tctggagtgc cctcttgtcc 540

aattgaagc 549

<210> 6165
<211> 491
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316029f05b1

<400> 6165

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aaacctaccg gagatgaagt tcttctcggc gttcgacccg tggccggtgt tcttccgccg 120

ggagtggggc cgcacctggc ccttcctcgc cggcttcgcc gtcacggggg ccctcatcac 180

caagatgacc gccggcttca ccgaggagga cctcaagaac tccaagttca tccaggcgca 240

caagaagaag tagtcgccgc ccgcccggtc cgtgcgacga caggtcacag gggcagcagc 300

tgagtaacca gcatgtgttc ttgatgcagg gagccagtgc tcaccctcac tattgtgatt 360

gagctattat gtttttttt tcaaatccaa ctgcatgcat tttctgctgc tctggtttgc 420

aatgtaataa gcaacatttg aatcgtttga tacaagagaa aaacggcttt ggataaagta 480

gctgccatgg g 491

<210> 6166
<211> 117
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316029f06b1

<400> 6166

gaaactactc cagtttacag gttgagcagc tgcgcatgag tcgtggtttt tggtttgtgt 60

ccaccgatta ttatttggag atattatcac gattcataga acatattttt tatgttc 117

<210> 6167
<211> 324
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316029f08b1

<400> 6167

tttgttgatc acgccctccg tcctctccga gcgcctcagg atcaacggct cgctcgctcg 60

cagggccatc aaggacctga tggagagggg gctcatcagg atggtgtcaa tccactccag 120

ccagcagatc ttcaccaggg ccacaaacac ctgatttacc tcatgtgttg gctgcctgtt 180

ttctagtcca gtagactgag atgtcgctgt tatattgacg ttcattatgt tcagcgaggc 240

actttggcac tcgtgccaca agtatgttga attgcttttg agtttttggt acaatctaag 300

acgcaatgaa atctacctta tatt 324

<210> 6168
<211> 395
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316029f09b1

<400> 6168

acacagggcg acagcaccaa cgaataagcg ggtcgaccca aacacttggt taccaccgcc 60

gacccggcgc gagagacgac caagaatcaa caagcaccgc ggacgcaggg ggatgaacga 120

gatgagggag agggcgcaca acaggaggga gcaaggccac tccaggccaa agattcgcag 180

caggaggaca ccaaacgaaa gacgaaatga gtgggcggcc cggctcgcag ggcgaacaac 240

tgaaccgaga tggcagcctg acggggacaa aagaagaacg ggggacccgg gcggcagagc 300

caaaagagga gcgagatgac accaagccca aggcaggcac aggacgcaaa gaacaacacc 360

gtgactggga aaacccaaga gcggcccaac agaac 395

<210> 6169
<211> 590

<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316029f12b1

<400> 6169

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tattccgaag acatcagttt aaatcgaggc atcttggaaa actgctgctt tatctccaat 120

ttttttggtg gttgctttgt cgccaaacat acaaagaaaa ttcgaagttc gctgccggac 180

gcctggatga ccttgtagcg ctattgacca gtgaaacaat ggaaaagaag ttatgctgcg 240

agtacttgaa aagtgaaaaa aattacaata attagaactg ctgaaacgcc tttccgtatg 300

cactttgtgt tgcttcctgg gtggtcacca gtgattcggt agaacgttac ctggccattg 360

tgcgaacgac cggtgtgtaa tactcatttc caaactgcca ttcccctgtt gaggaaggct 420

accgcaccaa caactggtga actgagaccg tttggttgta taacgtgtac gctggaggaa 480

acaggaaaag aattcacaga atcgctctat acttgatngt atgaagtttg cttggtcaga 540

tgcttgccca tgaaatatga ttgcacttga tcgtgtttta agctcatgat 590

<210> 6170
<211> 97
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316029g02b1

<400> 6170

ttattaaaaa caaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaataaaaaa aaaaaaaaaa 60

aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa accataa 97

<210> 6171
<211> 273
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316029g04b1

<400> 6171

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tgctcaccgg gttctactac tacaacttct ccaaggcacg ggtggcctac caacgcccgg 120

aggccgccat cgacatgagc cggtatagct gaagattggt gcctggttga ggggctactc 180

gagtctctat gaagctgctg taacgcattg tggggaacga ttcactatga actagctcaa 240

cagttttgat aaccgttatg tggccatttt ttt 273

<210> 6172
<211> 546
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316029g05b1

<400> 6172

ctaccagctc cagaggtggc tgtaaactat tacatgaatg aggatctcta catgtttgat 60

gagtttcaaa catcaagagc tccaaattct aggaggccta aagttgataa cttgtatgat 120

gtattcgtga atgtacggga cgatgaggcg gagcattgca agacaatgaa ggcttgtcaa 180

acgcatgaaa ccctccgttc tcctcatgcc gtgcagagct cagtagaagc tgatgcagaa 240

tgattctgtc aagaagtccc ttggaaatga agactgaccg gttgtacgta cctccgtgct 300

atagcgtcgt agagtatcat actaaatttt ggtgatatat tgtattccat ccttttttctc 360

ccttctcttc gtatgtagac attagccaga ctttcgtact tgtgaatctt acatagggaa 420

tataggttta taaatgcatc acagatttac aatgagagac gtgcattgtt tgtcaggcat 480

taccgcgggc catgaacggt gtaatccagc tgtgttgtgg tctgtgtaac atcaaggggt 540

ttgatg 546

<210> 6173
<211> 524
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316029g06b1

<400> 6173

cttgtatctc tccatgacgt ttccgcgctt atccaacctc accattgacc attgcgtaga 60

tctgaaggag ctgccaccta gtgtatgtga aatcagctct ctggaaagca tctccttgtc 120

aaactgccat gacctcacag agctgccata tgagctgggc aagctgcact gcctgagcat 180

cctacgggtg tacgcctgcc cggcactgtg gaagcttcca ccgtcggtat gcagcctgaa 240

gaggctgaaa tacctggaca tatcgcagtg cattaacctt acggaccttc cagaagagct 300

tggccacttg acaaacctag agaagatcga catgcgggaa tgctcgcggc tgaggagcct 360

cccgaggtcc tcctcgtcgt tgaagtccct cgggcacgtc gtgtgcgacg aggaaacggc 420

gatgctgtgg agggaagccg agcaggtcat ccccgacctc cgtgtgcagg tagcagaaga 480

gtgttacaac ctcgactggc ttgtagactg atgttctgga tgct 524

<210> 6174
<211> 502
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316029g07b1

<400> 6174

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gacaccgact ccgagatctc tcccctcgac ccacccgcca aggccgcccg ccccggcgct 180

gacgaggagg ccgccgccga ggccaaggcc cgggtcgcgg acaaggggaa gggcaagatg 240

gtggtcgatg aggaggaaga aggcgacgag gaaagcgacg aggaggagga tgacgaggag 300

gtcgagggag atggcgacga gagtgacggc ttatgcgagg atcccctctc cgaggtcgac 360

ctcaacaaca tcctgtcctc tcggacccgc cgctgctccc cagcacagcc tggggcgtac 420

ctggtgccac cagaggaggc agctgaggat gacgaggacg atgaggacgc atacgtcgac 480

atggcttccg gngaggagag cg 502

<210> 6175
<211> 376
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316029g10b1

<400> 6175

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agatgtggag atttgggtta aactctccat gtgtttgtac aaacgaaaca gttatattga 120

ttgttgatta cttatcaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 180

aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 240

taaaacaaaa aaaaaaaaaa aaaaaagggg ggggcctttt taaagtaccc aattttacct 300

ccccgggctg gaaagctaaa attttttttt tggggaccct aaaataaaat aactgggccg 360

gtttttaaaa accctg 376

<210> 6176
<211> 102
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316029g12b1

<400> 6176

ttgttcatta gcgttataaa cttgtcaaca agtctataac ttggtagttt tgccaagcta 60

tatttgctgc aaggacaaag ggcaactcca acgggttgac ct 102

<210> 6177
<211> 439
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316029h01b1

<400> 6177

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acactgagaa acacgtcgac ttctcgctca ccagcccccc tggtggtggc caacctggaa 120

gagtgaagcg gaagaaccag aagaaggcct caggtggtgg tggtgatgac ggcgaggagg 180

aagactaagc gctcagcctc gacccgcaaa cttccgttgc agaaatgttg agattgcctt 240

gtggatcttg caacgggaaa tgattcaaac tttggttcgt tcttagaaac ttagtggtgt 300

agagctttcg ttgcttcaga atcatttggc tatcgattct aaaattaaac ttatgtttgt 360

tggttctgct tggttagtga ctaccgagca gaagaagtga actcagtgat gctgctttcg 420

tttttgtgaa ccaaacgta 439

<210> 6178
<211> 175

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316029h02b1

<400> 6178

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tacacacgtt acatgtagta agtactactt gtatttgtac ttggagtaat ggtatgtaag 120

agaaataatg tgtgaaaaaa gagtacatga cgaaagaatg aatgtgattg ataac 175

<210> 6179
<211> 78
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316029h04b1

<400> 6179

atatttaaaa aaaaaaaaaa aaaagagaaa aacaagaaaa aaacaacaac gataatgctg 60

atgactagac caagaagg 78

<210> 6180
<211> 97
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316029h06b1

<400> 6180

cgtacgccca cgcgtccggc cacgcgtccg cccacgcgtc cgcccacgcg tccgcccacg 60

cgttcgccca cgcgtgcgga ctagttctag atcgcga 97

<210> 6181
<211> 435
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316029h07b1

<400> 6181

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ggcctacccg cctccagggt acggcgcgcc gccggctgtc gccgctaact accagcagca 180

agccccgccg caggactcgc aggaccgcgg aggcgacggc ttctggaaag gatgttgtgc 240

tgctatttgc tgctgctgcc tgctcgacat gtgcttctga tcacaagttc ctactgccaa 300

caccaggaaa tcccacgatg atctactcac tcagagctgc tcatagctga tcatggttat 360

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atactgcatc tggat 435

<210> 6182
<211> 529
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316029h09b1

<400> 6182

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gcaaggaatg ctgcaattgc aaatagctac tttgtcggat caattaaccg ggtaggcaca 120

gaggtattcc cgaacccatt cacttctggt gatgggaaac ctcagcatgc cgacttcggt 180

catttctatg gatccagcca tttctcagcg cctgatgctt cctgcacccc atcgctatcg 240

cgctaccgag atggcttgat gatatctgac atggacctga acttatgccg ccagatcaaa 300

gacaagtggg ccttccgcat gactgctcgg tatgacatgt atgctaactt gctttcagag 360

tacttgaagc cagattttaa gcctcaagtc atcgccgatc cgctgataaa taagagggct 420

taattctgga tcagttgggt ctaagcagac gaagtcgatg ccctctccct tcttttctgt 480

atatgtngta taattataaa aataaatcag taaacatctt ttgatcaaa 529

<210> 6183
<211> 484
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316030a02b1

<400> 6183

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gtttggttct ttaggctcga catcggagag ggcaaggaga tcaacctcga ggaccgatgc 180

ccgcggtcga agcttctcag ccagtgcatc aagtatcttg gtccggtaag cttttgcaaa 240

cagtttagta catgggataa atttagagaa tgcaagtcca tgagagttca gaaggactaa 300

tgattcaaac tggatttttg ttgtgcctgc agaaagagag agaggaatat gaggttgtga 360

tcgaggatgg caagttcatg tacaagaaca gcaagcagat cctcgactcc tcggcggtcc 420

gagggacgca aagtggatct ttgtgctgag cacatccagg aatctgtatg ttgggcaggt 480

aatg 484

<210> 6184
<211> 308
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316030a04b1

<400> 6184

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cgtacgttcc attgaacaaa agaacatgca cgtggaaaac caggcgaaaa cgaatgcacc 120

acagacgtca gacaaatgga cgcacgcgac gcaaaagaaa aaagaggaga cacgaaacat 180

cgaccgaaag atacaccacc ccaaaggagg gcagcataaa gaaagcatgt aacgattcac 240

agactaggac ataaataccg cagcagaata gctaaccgaa tcgaactaag gagctcagag 300

acacaaag 308

<210> 6185
<211> 202
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316030a05b1

<400> 6185

gggaaagccg gcggaagcgg ggagggttac agggagcgac gccaggcccg cgggcgagcg 60

ggcacaagag ggccggcgca ccgagcacga aaaaaaaaaa cccaccgggg aggaccacaa 120

caacaagaga gagccgccgg gggcgggcga ccccagaggc ccgacgcgcc ccgcgcgggc 180

aacacggcga ccgaaccatc cc 202

<210> 6186
<211> 198
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316030a06b1

<400> 6186

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gcagcagatc cggtgaagct catctgctgc accggcagcc cactggatca ccgacccgcg 120

atgcactatg gacttgaggg catacgcaac tagatgatcc agaaggacct catcagcaag 180

atctaccacc tgccaaca 198

<210> 6187
<211> 412
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316030a07b1

<400> 6187

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atttccaaca aatattcgga gttgacaaat ctcccactac atggctatta ccgggcaaac 120

ctgatattgg tgatggtcat cgattcccca ccttggcttc attaacctct cttgctgaag 180

aacaagaact tgctcgagct gttcaacctt gacctccact agggagcatt aaccaagttc 240

cacgctttaa ccaacctttt ctgacccccg cccgcattct caagctacat taacaacatg 300

acaatcggat aacggatggg caggcagtgc agtgctatcg atgccacaac tgatgatcac 360

taatcaagat gaatgtgtag catggaccat cgatgacaca atgataacaa tc 412

<210> 6188
<211> 88
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316030a08b1

<400> 6188

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cgaagaagca agccaaaccc cgtcgaca 88

<210> 6189
<211> 100
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316030a11b1

<400> 6189

cctcgagagt tggtaccacc ccttcccatc ccgaacagga ccgtgaaacg actccacgcc 60

aatgatagtg ctgcaaccag tgtgttgtct cattgatcat 100

<210> 6190
<211> 322
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316030a12b1

<400> 6190

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ctctatttt tacttcccat gcactatgga tttgagggta tatgcatatt tatgttccgg 120

aggtaagtca tatgcagatt ttactactga ccatgatggt cgacttgctt tttttccttt 180

tgctgaattc cacaataatt tcctctatac ttccccttg gtaaagtgtt ccatgtaaac 240

tttaggtaag agtatatagt atggatgcat atatatgtta ttcctaaaag tcaatctttc 300

ctatggtcga tggcagatca ct 322

<210> 6191
<211> 405
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316030b02b1

<400> 6191

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atggcgctcg cgtccggcac ggcgacccgc ccgctcctgg gccgcctccc gggcacggcg 120

cggccccacc tcgccgtctc cccctcgccc tccgccccgg cctgcacggt ccgcttcgcc 180

gcccgcagcg ggggctcccg cgccgtctcc ctccgcgcct tcgccccgcc agctgctgca 240

acagcaacgc ctggtagtat cgcaccagct atctcattga cagagaaggc cttgaagcat 300

ctgaacagaa tgaggtccga aaagaatgaa gatctctgtt tgaggattgg agttaaacaa 360

ggtggatgtt ctggcatgtc ttacaccatg gagtttgaga gccga 405

<210> 6192
<211> 250
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316030b05b1

<400> 6192

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gacgcggcgc gagagcacac catgacacag acagcaccgg tgacgctggg gggagaccga 120

gaagagacgg tgccgcacaa acgggggaaa caagggccct ccggggccat ggccccccgg 180

gggaggagcc caggacaaag gaggaacgga tggcccgcct ccgttggcgg ggggaacaac 240

cgaaccggga 250

<210> 6193
<211> 423
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316030b07b1

<400> 6193

accacgcgta cgaccctgtg taccctgtcc cacccgattt ccaatcatgg cgctcgcgtc 60

cggcacggcg acccgcccgc tcctgggccg tctcccgggc acggcgcggc cccaccttgc 120

cgtcttcccc tcgccctccg acccggcctg cacggtccgc ttcgccgccc gcagcggggg 180

ctcccgcgcc gtgttcctac gtgccttcgg cccggcaggt ggtggaacag caacgcctgg 240

tagtatcgca ccagctatct taatgacaga gaaatggctt gaagcatctg aacagaatga 300

ggtccgaaaa gaatgaagat ctctgtttga ggattggagt taaacaaggt gggatgttct 360

ggcatgtctt acaccatgga gtttgagagc ccaggaagcg ccaaccctga cgaatcagtc 420

atc 423

<210> 6194
<211> 271
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316030b08b1

<400> 6194

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ctctgcggag gagctcacca cgaaagaaga actgcttgcc cccctccgcc cgccggggga 180

acaacagaac cgcggtgtca gcccgccggg gaccaaagaa gaacaagggc tccccggggc 240

agaactgaaa gaagaggttg atgacaccag g 271

<210> 6195
<211> 311
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316030b09b1

<400> 6195

tatcagcgtt atgattaagg tggaaattac ataaattaaa aaggatcgaa atgatggaat 60

gacagaatta agtaacaaaa cgaaaggaat aaaaaatgca taataaaagc tcaaaaagcg 120

gaatataaaa aatgagatat tacagaaaaa acaaaaagtt ttaagagtca gacaaaataa 180

aagttataca acgtgatact aagcagcaga caaataagat caaaaattga caatgaaact 240

ctgagacaga atgacctgag atatgtgcaa tatagctact ctaacaagaa ctaaaagccg 300

acgatttaca a 311

<210> 6196
<211> 281
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316030b11b1

<400> 6196

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gacgcggcgc gagagcacac cagtgacaca gcacagacac gcgtgagatc gccgcgtggc 120

gagacccgag aagagacacg tgcccgaaca acgggcgaaa caagggccct gcggggccat 180

ggtccctcgg gggaggagcc caggccaaag gaggaacgga tggcccgcct ccgttggctg 240

ggggaacaac tgaaccgaga tgaaagcctg acggggacaa a 281

<210> 6197
<211> 239
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316030b12b1

<400> 6197

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gccggaagac ccagaagaga aaagagaacg acaaacaggc gaaaacaagg cccaaagggg 120

ccacagaaaa cacagaggag gagaccaaga cgaaagagga acaagaaatg cccaacaacg 180

gggggcgggt gaacaagaga accgcgatgc cagccggacg gggacgaaag aagaactgg 239

<210> 6198
<211> 285
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316030c01b1

<400> 6198

tttgtcgcgt gggtgctcct tctgtccaca tttactcaag ctcaaacaga gaaaaggttc 60

aacaacgact acatgggtct tttgcacaag taccaagtcc agaagaggtt caacaacgac 120

ttctatggca tgcttggcag gtatcagcag cggccataca aaaggatgat gtacggtgac 180

tactacaact ggctaaggaa ctaccaagat cgcctaacct actagagaga cagagagctt 240

gggtaaagat ggagctgtta taaaaaaaga ctggccctat gcacc 285

<210> 6199
<211> 260
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316030c02b1

<400> 6199

tgtgtacgcg tgggtgctcc ttctgtccac atttactcaa gctcaaacag agaaaaggtt 60

caacaacgac tacatgggtc ttttgcacaa gtaccaagtc cagaagaggt tcaacaacga 120

cttctatggc atgcttggca ggtatcagca gcggccatac aaaaggatga tgtacggtga 180

ctactacaac tggctaagga actaccaaga tcgcctaacc tactagagag acagagagct 240

tgggtaaaga tggagctgtt 260

<210> 6200
<211> 287
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316030c03b1

<400> 6200

tccacgcgtc cgcttatata aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 60

aaaaaaaaaa aaaaaaaaaa aaaaaaaaga aaaacaaaaa aaaaaaaaaa aggacaaaaa 120

gagcaaaaaa aaaaaagggg ggggccgcct taaaggatca aattttactt ccccggccat 180

gcaaggtaat agctcttctt tagggccccc taaatcaaat caacgggccg tggtttaaca 240

ccgctgggac gggaaaaacc ctggggtgcc ccaagttaac cgccttg 287

<210> 6201
<211> 392
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316030c04b1

<400> 6201

tnctcacgcg cacgcaaaaa tcttcactgg caatgcacta tatacaaaat aatagtacaa 60

acagctatgg gtaagtcaaa tgcattggct gcaacactcg gtgcttgtca tggcggtgta 120

cctcgccaca ctagagggtg tacatggcgt ctgcggcatg tcgaatgatg aattcaagct 180

ttgccagccc gcggcggcag tgaataaccc gacagagagt ccgtcgggtg agtgctgtgc 240

tgcgcttggg aaggccaatc tatcatgcat ttgccgctac aaaggcatcg ccggcatatg 300

gctgaaaatg taccacatcg acgcaaagcg cgccatggct ctgcccggca agtgcgggct 360

caccatgccc aacaactgct cgtgatgatt gg 392

<210> 6202
<211> 329
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316030c06b1

<400> 6202

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ctgcggacac cttttcacaa agcgcaccaa ttttgctgga ggttacccgt ggagagtaca 120

tgtacgtaca agtggccaga atcatggcac tgtcggagcc attggatcat atggggtcga 180

atacatgacg aaaaaggccc tgctggccca gctccggacg ctgggataac aactgccacc 240

gggcatgacc ctgacaggaa ccaaagaaaa acttgcattg ccgaatgtag aacttaaata 300

ggaccttgat tacacaaggc ctaaccttg 329

<210> 6203
<211> 402
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316030c09b1

<400> 6203

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ggagaagccc tactggatca tcaagaactc gtggggtgag aactgggggg acaaggggta 120

ctacaagatc tgcaggggct ccaacgtgcg caacaagtgc ggcgtcgact ccatggtctc 180

cacggtgtct gccacgcacg cctctaagga ggagtaggct ctgttctgat ctgatcggca 240

gccctcctgg agccgatctt ggtttcggtg tatcgctaga aagaagcttt aatatgtagt 300

agtcggctag gctccatcgt cgttgtggta tcatcagcag cgaagatgcg aagccgcaac 360

agaatgctcg ctgtataact tatgcatttg ctaaatttgc ta 402

<210> 6204
<211> 498

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316030c10b1

<400> 6204

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caggtgaaga accgtcagcc caatggtcag ggacgctggc ctgccaagtc tgctaagttc 120

gttctggatc ttctaaagaa tgctgagagc aatgctgagg tgaaaggtct tgatgttgat 180

gctctctaca tttcacacat ccaagtgaac caggcccaga agcagcggcg ccggacctac 240

cgtgcccatg gacgcatcaa cccctacatg tccaacccat gccacattga gctgatcttg 300

tcggagaagg aagagccggt gaagaaggag gctgagtccc agattgccag gaaggcctag 360

agaagggaag ctttacataa cctatctgcc tttttcgttg agcagtttgg agcatcctgg 420

cctgcctgag tcgaaatttt tggccaatta tctgtcgttt aaatactgct aggctatact 480

ttgtgaaacc ttttgatg 498

<210> 6205
<211> 354
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316030d02b1

<400> 6205

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agctgctgct taatttgctg acggaatggc tgatgctttc gttctggaac tgtgggatga 180

ctgataaacg tacgctgcca cgcgcgaccg atacatgcat gtaaatcttg tttaacacct 240

tattaattga aatggttacc agtttgtaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 300

aaaaaattaa aaaaaaaaat aaaattaaaa aaacaattat attaccaaac ttaa 354

<210> 6206
<211> 349
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316030d09b1

<400> 6206

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gccgtcctgc gcgccctcac ccgcgccctg gaggacctgg cccacgccct ggacgacgtg 120

atgcgcgccc ttgcctacct ggccagcctc atgacccacg ccagcgcccg cgccttgccc 180

aacgccataa gccgtgccat cggcgcctga tttgtatacc ctccggcggt acctttgcac 240

cggatcgtcg ctcttcgtta gaggtactcc accgaaagag agtagttcgg tcgcatgcgg 300

acctttttcat cgttattgag acaatcgggc atgatgagtg tgatttaaa 349

<210> 6207
<211> 252
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316030e06b1

<400> 6207

ctccacacgt ccgcccacgc gtccggccct gatacccgtt gaaacacctc tcccgaacaa 60

tggaaggtgt tgacgattgc accgcctgga tgcatgcctc catctagtta gcaatacaag 120

ctattgccac gaccttatat tgaacccata gtaatatcgt ctcgtgtgct taaatgttta 180

ctagtccgaa taaaactgga tgtctgttgt ttggttcaga aataataaag atggacggtg 240

tttctaacga at 252

<210> 6208
<211> 309
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316030e07b1

<400> 6208

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ggttcaacat cgacctcatg ggtctgttgc acaagtacca agtccagaag aggttcaaca 120

acgacttgta tggcatgctg ggcaggtatc agcagaggac atacaaaagg atgatgtacg 180

gtgactacta caactggcta aggaactacc aagatcgcct aacctactag agagacagag 240

agcttgggta aagatggagc tgttgaaaca ttgatgacac aaggcctaag cttggcactg 300

gccgtatat 309

<210> 6209
<211> 455
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316030e10b1

<400> 6209

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gaatcactgt ccaaggtctc tctttcgatt gatagcatcg gtagcaggat ataacatcag 120

gttacaagcc tttgtggtac aggaaggacc gaaggaggaa gttggtgaga tacagaggga 180

agttgaattg ggacgaggga tagagataca accagcaaat gcgccgagga acagtaaggt 240

gctattttct tcaccagtta actccttcaa gtatgcgttc ttgtcatcag tacacacagc 300

ctcctattgc aggtctctaa cactttcgcc caatggtccg atgcagactt atactgacat 360

tatcaagaga aagaatacgt tgatgtagca tatttgcact gttcatgtac aactgaaagg 420

gactaaactc taattgtttt tgcccttgcc aactt 455

<210> 6210
<211> 232
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316103c06b1

<400> 6210

cacactataa atctaatata gggacagcga gcaaaaggat aacaggacgc tgttggacag 60

ctggaagact ggagctgatg cttcaaaata agatgatggt tgtcttttgg agatgtttct 120

atgtttaatg ctttaaagtc ttttggctgt actggactat ttaaactttg aactatgctg 180

tgatggttga actgatgctg gacgggtaag ggtttatgtc agaggcaact tt 232

<210> 6211
<211> 519
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations

<223> Clone ID: uC-tsro9316103c07b1

<400> 6211

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tatttttttt tttatttttt tatttttaat ttttatttat tatttttatt ttatattata 180

tattattatt ttttttatta atatttttt tatttttatt ttttatattt aattataaat 240

ttttttttta tttatttta tattatatat tttttttatt ttttttttta tcttttatat 300

tttttatttt tttatatata tttttatatt taataaattc tttttattta ttaatatttt 360

attatatttt atatatttta tttttaatat atttatttt tatataatta tttaattata 420

attttttaat aatatttttt tttaattata catttttaa tattttaata ttataatata 480

ttgctttatt atataatttt ttatttttt aaatttttc 519

<210> 6212
<211> 284
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316103c08b1

<400> 6212

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ttttgttttg gggctggaaa aagagaccag cggatggctt tgatacctgg tacttgtttg 120

catgatatgc tgttcagtgt tacccttgtt ggcataattc gtggaggtca accagtatta 180

ttctctgatt taaaaaaaaa aaaaaaaaaa aaaaaggaaa aaaaaaatga aaaaaaaata 240

attaaaaaaa aaaaaaataa aacgaaatag atgttatata gtgt 284

<210> 6213
<211> 227
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316103c10b1

<400> 6213

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tccccttcgg gttcggcctc accaccgagg ccaacaagtg agtcgggtac tcgggtgaga 120

tgggatgtac tatctcggct gggctgtgag agatgggata catacataca ttgagttttg 180

tggttgattt gttatgttag caataaaaga gcgatgcgtt cttgcgg 227

<210> 6214
<211> 264
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316103d03b1

<400> 6214

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tcgcgacgct ggtgaccctc cacccgcttc cgaccggcgg cgggttcatg gactcgcaca 180

tcctgcgcaa ggccgcgggg cggctgcccg cgctggccga catcgcggtg ctgcgcttca 240

acacccgggg aacggcctca ccgc 264

<210> 6215
<211> 559
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316103d06b1

<400> 6215

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cggagcccga accagaacca gagccagtaa aagaggaagc acctgctgct gaaccaacag 120

acttgctggg tctgaatgaa acacaccctg ctgtggccga gatagacgag aggaacgctc 180

tagcgctggc aattgttcca atagatgacg tgcccaaggc cgctcctgct tttgaaaatg 240

gagtcacagg ctgggaactg gcccttgtca ctgcacccag ttcaaatgaa actgctgtcg 300

cttcaggcaa aaaattggct ggtggactgg acttgctcac ccttgacagc ctatacgaag 360

acgcgaaccg acgagcgagc cagcccgcag gttacaaccc ctgggagacc accggtgccg 420

ccccggcccc gatgatgcaa caaccagcag caatgcagga cccgttctac ggctcgaacg 480

gtacgcagca ccccatgctg tgcagatggc agccatggcc agcagcagca ggctttcatg 540

cttcagcagc agatgatga 559

<210> 6216
<211> 433
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316103d09b1

<400> 6216

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gaaacgtcag gtagaacaga ctacccagac ccaacggact tgacatggca agagtacatt 120

catacgagtt caacaggggc acgacggcct caaaagtcca ttcacttcgt cgcagggtgg 180

ggtgatactt tggctggtta tttaggtgat aacggttctg ggctcggcgc atccatggtc 240

accagctggc cgtccaggct ctagcccatg gcgtacttct gtgtccagga gcgtgccgtg 300

gactcatact tggcccgatc agtcttgtac atgtgagcga tctcaggcac caggggatca 360

tcagggttgg ggtccgtcag caacgaacag attgacagga ggacctttga tatggtcaaa 420

gccgggctcc act 433

<210> 6217
<211> 567
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316103d10b1

<400> 6217

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cgcctcgtat cccgctcccg acagttatat tctgtccaag ctgctttggc caatggaggc 180

gtcactcaag tccgctcatt tgccaaggag gcagctcctg tcagcggaga tgacctattg 240

aagggcatct tttttgaggt gaagaaaaag tttgagaccg cacttggggt ccttaagaag 300

gagaagatca cgatagaccc agatgaccca acagcagttg ctaactatgc ccaagtcatg 360

aggactgtaa gagaaaaggc agatcttctt tccgatcctc agagaattaa acatactatt 420

gagactttca cgaagggcat ccctgatgca aggacgtact tggataccct tcagcagctc 480

aggaaaaaga gtggtctcat agatgatatt gggtattgag gatatgatgg atgagcctct 540

tgagaaaagt gagaaggata ttaagaa 567

<210> 6218
<211> 512
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316103d11b1

<400> 6218

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atgtccagga gcttcagcat ggacgactcc ttcgtctgct tacttcgatt cgagtagggg 120

cgcaccggaa gctcgccatc gcccgtcttc ttcgccacgg ccgccgacgt tcgtcgtcag 180

atgcgccgcc tcccgaacgc ccccgaccac ctgaccgcgt ccacgagctc cgtgatgatg 240

gatctcagga gccagacgac accactgatg actactgtta ccccgagggt gcctactact 300

acgtgacgac cgctgacgac ttggagtagt taggaggctc ccaggtagga ggccttgcct 360

tttcgatcga tgttgccttt gttctagcct tcttaaggca aaaacttgtc taacttatgt 420

ctggactcag atattattgc ttccgctgac tcttgtgtag tcgagcttat gtattcgagc 480

cctcgaggcc cctggcttgt atataaagct tg 512

<210> 6219
<211> 359
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316103e03b1

<400> 6219

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taatgatacc actgttgccc ctacggagtg tttttctggt accatgacta ttgctggttg 120

tccctaatta ttcttgacct tcaatcaata agaacacgaa acatggngaa aaaaaaaaaa 180

aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 240

aacgggaaac aaaaataaaa aaagaaacaa gaaaaacaaa aaactaaaaa tggggggggc 300

ccttttttaaa gaaccaaatt ttctggccgg ggcttggaat ctcaataatt tttttttt 359

<210> 6220
<211> 134
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316103e05b1

<400> 6220

ctgacgcgtg ttcggacgcg tgggcggacg cgtgggcgga cgcgtgggcg agagtggagg 60

attcaaattt tgccgaacaa tgaattatgt ccatcgatat ataaatgttg tatgattaaa 120

tttgtattgc tgtt 134

<210> 6221
<211> 439
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316103e07b1

<400> 6221

ctcacgcgtc cgcggacgcg tgggctcgcg ccgccgccgc cgcagcttcc tccccgccgt 60

cacgatgccg tcgcacaaga ccttccggat caagcagaag ctggccaaga agcagcgcca 120

gaaccgcccc atcccctact ggatccgcat gaggaccgac aacaccatca ggtacaacgc 180

caagcgcagg cactggcgcc gcaccaagct cggattctaa gcgggggatg acgacgatga 240

cacccgttgc cgccgacggg agaagggtct agggtaccta gggtttatga cgtctcgttg 300

tttttgcaag ctagcatgtg actccgggat gcctgtttta agatttcgct tgtgttgaaa 360

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aactactttt atcctgctt 439

<210> 6222
<211> 518
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316103e11b1

<400> 6222

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aagggcaaaa actacccggt gaaggtgagc ggcgtggaga tcgtacctga tccggtcgag 180

cgcggcgtgc cggccacctt caagatctcc gctacaactg ataaaaacat caccgagggg 240

aacctggtta ttgatgttaa atattggatt ttcaatgttt actctgaaac ggatgacatc 300

tgtacgaaga cccaatgccc ggcaacttct gatttcgaac tatctcactc gcaaacctta 360

ccatcaatca ctccaccagg ttcttacacc attcagatga agatgcttgg aaagcacgat 420

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agttgaaggc atgcacgggt tgcatgcgca actacaca 518

<210> 6223
<211> 435
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316103f01b1

<400> 6223

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caccaatgtt gtaggcacct tgaatcttgc tgatgtttgt cgtgagcagg ggttgctcat 180

gattaattat gctacaagtt gcatatttga gtataatgct gaacaccctg aagggtctgg 240

aattggtttt aaagaggagg acacgcccaa ctttgtaggt tcattctatt ccaaaaccaa 300

agccatggtg gaagagttat tgaaggacta tgataatgtc tgtactctta gagtcaggat 360

gcccatatca tcagacctga gcaatccttg ttacttcatc acaaaaatag cccgctatga 420

caaggtggng aacat 435

<210> 6224
<211> 136
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316103f06b1

<400> 6224

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gttgcaggct acttataagg tctcttatag ggaaaccaaa ggccaatgaa ttgcccgtcg 120

tttaccaccg aaaccg 136

<210> 6225
<211> 480
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316103f09b1

<400> 6225

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aggtcaaggg tcctgacctg agccaaatga tctcaagagc tgaggcgacg gacatggaca 120

atgatgacaa cgaggatggc aacgatgaaa gagacgagcc aaaggacatc gcgctggtga 180

tgacacaagc ggccatctca agggccaagg ctgtgagggc tatcaagtat gccaatggag 240

acattgtcac tgccattatg gaggacacaa cttacgagta tggcgacagt tgtggaacta 300

gttgaaccat tactctttga gcgagttgca gcttgagttg gtacagagtt tgctttgcat 360

ctctgatacg gtcgcctgga catgatcctg cctgcggata agttggtaca gcgatattag 420

cacggacatg atagtggtgg caattttctg gcatgttctt caccttgac tgaaatatta 480

<210> 6226
<211> 415
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316103g03b1

<400> 6226

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cttggcgtgt cagttgccgg ttgaatacat tgaccatcat actttaatat catagcggac 180

catgctcgtt tgcataatca ttgaaaattg agtccgcatc cggcggtgga cggaatagcc 240

atgtgtgaac cagcctgtat cttttaggag tgagaaatat gcgcgttccc tatatttagg 300

cgggaagcac tcattcacat cttctggata cgctcactgc caatcttatt atatcgcgtt 360

aatacatgct gaacacctga ctttctggac gagtggggtt gctctttatg acaaa 415

<210> 6227
<211> 270
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316103g04b1

<400> 6227

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ggaggttaaa ctgttgggaa ccttcatttt gtgagacacg atgaacagca taggcggata 120

ttgtcacggt ttaccctacc acctttgtcg gctctagtct tcgttgcata ctactgtact 180

acgcacgtgt caacatcctg taaatacttt ggtgttcaga ctacttgccc ctgttatatc 240

tgaataaatc cggagcctat aggtggtnna 270

<210> 6228
<211> 232
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316103h03b1

<400> 6228

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gtatataaca tcatcttatc taaatgcggg tgatgtacaa caggacttca atctctgtat 120

ctattgagga acgacaatat gacttcatcg aaatgcatat ggcattataa cacttcgtat 180

atactgaaaa gattcgcagc taagccgtct atgggaagcc aaagtcgcct gt 232

<210> 6229
<211> 591
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316103h04b1

<400> 6229

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aattgtcgaa gaagatgaaa ttgttaatga aaatgaagaa aaataaaata aaaaataaaa 120

aataaaaaaa aattatttta ttattaaaaa ttcaattata aaaaaaataa attaatattc 180

cctcttatca ttaatttaaa aaaaaaaaaa aacatttatt taaaactaaa atgttaaaaa 240

aaaaaaaaaa tttaattata ctaattttaa aaaacataaa taagaaaatt taaatatata 300

aaaataaaaa attataaaaa ttcattaata taaaaaaaaa attgtaaaat ttaaaaaaaa 360

catataatta aaaaaataaa taaattttat ttaaaaaaaa aaacaatttt ataaataaat 420

gctaaaaaat aaaaaaataa tcataaaatt aaaatatata ttttaaaaaa attattaaat 480

aaattaaatt taaaataaac taataaaata aaaaaaaaaa catttaaaaa aaattttata 540

aaaataaaaa aaaattaatt aataaatata aaataaaatt atttaattaa t 591

<210> 6230
<211> 513
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316103h09b1

<400> 6230

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caacaactag tccaaaagca ggtgtggtac aacagggttt cgaaccctgt tgctggagag 120

aaacaacagg aaagtctcca acgggaagcc aaaggtgtct gcaccgaacg gtgccaatgg 180

atagaaacag cacgatgccg tcaatgggaa gccaaaggcg cctgtggcga atggtgctat 240

cggcgatgct aaggttccgg ggataaagaa actccaccac tgctcattca gtcgctacct 300

accggacaac gttgcccaaa catgcagcgg tcgataagaa gcctgtggcg accgagatga 360

agactgttgt cgccaacgga gctgtcaaga ccggagtcgc tgtttgatcg cattacccga 420

tcctcccagc taggcatgaa caacaaacgg acggtgctgt tgaaccacgc tagacatgcg 480

ggtttaaggt actgaccata aagtggcgct gga 513

<210> 6231
<211> 432
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316103h12b1

<400> 6231

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caagctcaag acccaccgca ggaaccagag gtgggctgac aaggcataca agaagagcca 180

cttgggtaac gagtggaaga aacccttcgc cgggtcatct cacgccaagg gcattgtttt 240

ggagaagatc ggtattgagg ccaagcagcc taactctgcc atccgtaagt gtgctcgtgt 300

gcagcttgtg aagaacggaa agaagattgc tgccttcgtt cccaatgatg gttgcctgaa 360

cttcatcgag gagaatgacg aggtgctgat tgctggattc ggtcgtaagg ggcatgccgt 420

gggagatatt cc 432

<210> 6232
<211> 237
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316104a02b1

<400> 6232

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gttgttgatt cgcgagctgc tctgccgcag ctttacctaa agatattgac gatgtatttt 120

ggggtgaatc atgctaatac tatgtggctt atttaaaaaa aaaaacaaaa aatcctcccc 180

aaaaaaaata tcaaacaacc ataaactcta aaaaacttct actaataaaa aaacgaa 237

<210> 6233
<211> 447
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316104a03b1

<400> 6233

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agctcgtctg tgcactgcac tcatggcagc ttcgctggga cttaccggcc atgagaccag 120

ctacccggcc cacccggcgg cctcctcctt gtacaacttc caagccggtg atcccttcgc 180

ggcagcggcg ggcggtgccg cggagctgag cttcccggag ctcgtggacg ccgctcggcc 240

ctccgactac tcgctgcttc cggcgttcgg cgccgctgga ggcgaggcga tgaacatgta 300

cgagcggagn tgtcgtcttc cctatgacga cctcctacta ctgcgacggc gcggggatgt 360

tcgacggcga cgcttcggcg agggcgagag gagaggggaa tccggtgcta tggcggggcg 420

gccgacgggg aggatcgggt ttcggac 447

<210> 6234
<211> 328
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316104a04b1

<400> 6234

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tttgcaagcg gtaaccaaat gcgcattcca ttgagtttgt atggtggctg ctctttgcac 120

aagctgtgtg cttatgaggt gttggtactt gtcgaggaca gcaggggggt agcgtactcg 180

tggtgttgca ctatgttttg tttatttgtt ttatttttga gtgtttgatc tgtttgagcc 240

tttgtgatcc gagaaaataa aaataatatg agtttacctt tgttaattaa tttaaaaaaa 300

actgaccgaa attttttttc tctatgaa 328

<210> 6235
<211> 60
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316104a09b1

<400> 6235

cccacgcgtc cgcccacgcg tccgcccacg cgtgcgccca cgcgtccgtc tagatcgcga 60

<210> 6236
<211> 274
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316104a11b1

<400> 6236

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tgtgtttgcc tggacttgga ttagatgggt cggtcgatgg ggtgttgcat ctgttttgct 120

atgacgcctc gtgtcttgag atgggcgcgc ttgatgatga actgccaagt gttatgtagt 180

tgcttgacgg ctgaattgtt attccctgtc tgggacgaaa cggagattag gttgccctca 240

tttggccatt gagctcatgt cattgtgttg tttt 274

<210> 6237
<211> 428
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316104b06b1

<400> 6237

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gtccagttca tcccaaatta ccagctctca tccgcttctc ttcctccaaa tcgtcggcgt 120

ttcttgatcg acgagggcat ggcgacgacg gtggactggc gcagctatag gcccgatctt 180

ccggcggcga tgtaccacat ggtggacggc agagaccagg taatgcacgc gttcgctccg 240

ccgacggcgc agggcgcggc gccgaccatc ttcttctcct tcccctgccc cggtgcggag 300

cagagcgccg gcctgcttcg tggcgccagc tacctcactc ccgcgcaaat gctccagctc 360

cagtcgcagc ttcccacgtg cgccgggcgc ccggcgcggc catggcagtg gcggggcagc 420

ccatgaag 428

<210> 6238
<211> 403
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316104b09b1

<400> 6238

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aacgtacaga agcgcaacta caagctgaag ttgcaaggag agaatcctgg aaggaaaggt 120

cagctggcaa ttgcaacaga ggtttttgaa gtgacaccct cactctacat ggtggagctc 180

cgcaaatcga atggcgacac cctcgaattc cacaagtttt accatagtat ctcgaatggc 240

ctgaaggacg tcatgtggaa gccagagggt agcatagccg aaggcgatga gacccgccac 300

cggaggtctc catgatcata tctaaatgtt aggagatagt agaagataaa actagtcagg 360

aatttcagga aaggcatggg gatgtttttt caagttctag ccg 403

<210> 6239
<211> 407
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316104c03b1

<400> 6239

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atccaagctg gggtgcgagc ccggggaggc gctggccgtc aacctggcct tcgcgctctc 120

gcacgtgcct gacgagagcg tctcgccggc gaacccccgc gacgagcttc tccgccgcgt 180

gcgcgccctc ggcccgcagg tggtggcact cgtggagcag gagctgaact ccaacaccgc 240

cccgctggcc acgcgcttct cggacgcgta cttgcactac ggagccattc tcgatgcact 300

ggactcgacg gtcagccggg atagcgcgga cagggcgcgg gcagaggagg cggtggcaaa 360

catgtcggcc cccgcggttg gccgggaggg cgccgaccgg ctggagc 407

<210> 6240
<211> 370
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316104c06b1

<400> 6240

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ctgcatgatg acacagaaga gcaagggtgc ggacatgtgc cgtactaatg agactgcgcg 120

gacgtcgacc gtctgcaggg gagcccataa gcagctagcc accaaggtgg ccaggtaagc 180

tgcttcgcga ccgctggagc gaagaagccc cactgactac aggccaagga ccgagtggct 240

ctgggagagc cgcaagtacc agaagagcac ggagctgctg atcctaaagt tgcctttgcg 300

cgctctggtc cgagagatcg tgcaggactt caagacggac ctcaagtttc agagcttttg 360

ccgtgctggc 370

<210> 6241
<211> 496
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316104d01b1

<400> 6241

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cttgagcagc gagaagctgg atcaaccatg gcggttgtcg ctgaacagac aaaagcaatt 120

gctgacaaga tcaaggactg gaccaacgtg gtcgtcgcct atgaaccagt gtgggccatt 180

ggcaccggta aagttgcatc accggctcag gcacaggaag tccatgccaa tctgagggac 240

tggctcaaga ccaatgtgag ccccgaggtt gctgaatcca cgcggatcat ctatggagga 300

tctgtaactg gcgcaagctg caaggagttg gccgcgcagc ccgacgtcga tggtttcctc 360

gttggtggag cttccttgaa gcctgagttc atcgacatca tcaacgccgc caccgtgaag 420

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aagagactcc tttttt 496

<210> 6242
<211> 443
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316104d02b1

<400> 6242

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ccccgatggc tgaggagctg gtgctcgaca cggcgatccg ggactgggtc ctcatcccgc 180

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tcagggcgag gaaacctgag gaacggcgcg cagtttaatc cgccaaggcc tttaaggtcc 360

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agaggtctca gcggttattc ttt 443

<210> 6243
<211> 336
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316104d03b1

<400> 6243

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tctccttgga agcacgagta cagtactata aagccgaaat ggctcatgct actgtccgtg 120

cgcacccgcc atacactcat ttgtctgcct tgccgcccac aaaagtgtgg ggggtttgcc 180

gcatcagtgt acattcattt ctcctcctgc tgcaaatagg atgtgttgcg gcgtattgat 240

tgatcgattg atgatggcag tgcacaactc gtatgatgca taatctagct cccattattt 300

gtcctaacag cttgaaattt tatttcatca tgtaaa 336

<210> 6244
<211> 365
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316104d09b1

<400> 6244

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gtgttaccac cgctctgtac aagttaaatt ttttgggttt cagctgttcg cccgagactt 120

gctcacgagc aggagtgtgc cagctcctgc tgagggatcc ttgtttttgt tcgtttttac 180

tccaatttac ccgtaataag caactgcagt gacattggtt tagtctgcac aacagcaaca 240

ctactcttgg cttggaaaac acttgtgccc tttgtaatgc agatccgaca gatcatgaat 300

tggtttagtt tattgttgtt ggcgaaccaa aaataactta tctatttatt tattttataa 360

tattg 365

<210> 6245
<211> 178
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316104e01b1

<400> 6245

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ttcccgtcaa ccggagagaa catgggcgct tcagagccat ggcggagacg gaataacg 178

<210> 6246
<211> 358
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316104e02b1

<400> 6246

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gcaacctcac catggtcgac tacaaccggt tcctccgccg cgccttcggc ctgccgcggg 180

acgcccccgc ggtgctcggc gacaagacgg ccgtcaggcc caagatgctc atgatcgagc 240

gcaagggcac gcgcaagctg ctcaacctgc gcgccgtcca ggccctctgc gaggagctgg 300

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<210> 6247
<211> 67
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316104e05b1

<400> 6247

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atcgcga 67

<210> 6248
<211> 453
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316104e08b1

<400> 6248

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tcctcaacat ctccgtcggg gagagcggcg atcgcctcac tcgcgctgcc aaggtgttgg 180

agcagctgag cgggcagtcg ccagttttct ccaaggcgag gtacactgtc aggtcttttg 240

gcattcgtcg taatgagaag attgcctgct atgtgacgat caggggtgag aaggcaatgc 300

agcttctcga gagtgggctg aaggtgaagg agtacgagct tctgaggagg aacttcagtg 360

acactggttg ctttgggttt ggtattcagg agcacattga tttttggatg atttttaccc 420

atcaaccgtg atttactgca tggacttttt tgt 453

<210> 6249
<211> 274
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316104e09b1

<400> 6249

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tgcgtctcag gcaaggctgg ctggcggcca gtcgctgccg aggggcgtgc tgctggctca 120

tccaccaata agctcgtctg gtcccctgtt ctggaggctc tccgctactt ctctagctcg 180

tggcgtcgcc gtggtggtga agaccaagag ctgaagagat ggagaaccag atcgggtcag 240

tgctcttatc cggtggctgt ttgggcgtgg cctt 274

<210> 6250
<211> 461
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316104f03b1

<400> 6250

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cccgcatcgt ctcccacgcc aagaccgccg ccgttcgtca agatggtgct gcagaacgac 120

atcgacctcc tcaacccgcc ggcggagctc gagaagctca agcacaagaa gaagcgcctc 180

gtgcagtccc ccaactcctt cttcatggat gtcaagtgcc agggctgctt caacataacg 240

actgtgttca gccactctca gnaccgtggt ggtgtgccct ggctgccaga cggtgctctg 300

ccaacccacc ggaggaaagg cgaggctcac cgagggatgc tccttccgcc ggaagggcga 360

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actagttatc cccgatgtgt actggtcaat tttttgaaaa t 461

<210> 6251
<211> 395
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316104f04b1

<400> 6251

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atgtgcgcat ccagcagcgc aacggcagga aagagtctga ccactgtcca gggcctgaag 120

aaggagttca gctacaacaa gatcctcaag gatctcaaga aggaattctg ctgcaatggc 180

acagtagtcc aggatccgga gctaggccag gtcattcagc ttcagggtga tcagcgtaag 240

aatgttgcta ctttcctagt ccaggctggg attgcgaaag aaggagcctc atcaagatcc 300

acggctttta agccgaagcc gcctccgata aatgctcgaa ccgccagccg gctcttctct 360

atattgaagg cataaggcat atatatattg ccgcc 395

<210> 6252
<211> 200
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316104f06b1

<400> 6252

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cctcgccgtc tcgcatccca gcagcaatgg cgtctcgcgc agccgtggtg gtcgtggccg 120

agaccgcgct gctgttcgcg gcggcgtccg cgcaggagat ggacgcgagc atgccaccgg 180

ccccggcccc ggtcacgggc 200

<210> 6253

<211> 460
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316104f08b1

<400> 6253

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cttgctgtct tcaacagcca aggatgcgac cgacgacttc gaggacgtgg ggcacagcac 180

gaccgcccgg gcgatgatgg acgagtacta cgtgggcgag atcgacgcga ccacgatacc 240

caccaaggtc aagtacacgc cgcccaagca gccgcactac aaccaggaca agacccccga 300

gttcgtcatc aagatcctcc agttcttggt ccccctcgcg atactgggcc tggccgtcgc 360

cgtacggatc tacaccaagg cggagtctgt ctagcaccgg cgtcttatac cagtcagtca 420

gtcagtcatt cggaagtgtc caagagctga ataagtttta 460

<210> 6254
<211> 467
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316104f11b1

<400> 6254

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cctcagtgca atccatcgta gctagacacc ggatcgaaga caccaatatc gcaatggctg 180

cgcgccgcta ccgacgacgc cgatgccggc ttgacgggta ccgcagcgtt gccgctcgac 240

ggacgcgtgg ccatcgtgac cggtgcgtca cgcggcatcg ggcgcgccat cgcggcccac 300

ctctcctccc tgggcgcgag cgtcctcctg ggctacgcgt ccagcgcggc cgaggccgac 360

gcgctcgccg cggagcttcc gcgggccgtg gccgtgaggg ccgacgtgtc cgacgaggcc 420

agcgtacggt ccctcttcga tgccgccgag tcagcctttg gctgtgc 467

<210> 6255
<211> 412
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsro9316104g02b1

<400> 6255

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tcatcgctga cgctattatt gagatatcta acctgatgcc tcacatagct cagaacaccc 120

agtcggaacc tgcaggagcc atcttcacct taatctgaaa atagaaggtt ttccttttgc 180

tagacctctg aaaaatctgc agtggagtaa ccgctcacat tacctattgc tctggttttt 240

taaggaggct tagcaggcct gacttaagat cgaaccctga cggtgtttag gcatggtccg 300

gctggagagc ttatttccag cgttggaggt ctttttaagc ttatctaaag acttgttcaa 360

gttaaaccac gagaatgcca tgggctagca tggctaccgc ggagaagggc at 412

<210> 6256
<211> 513
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316104g05b1

<400> 6256

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atcggagcaa ggaaagacca ggagagatgg caatgaggcc gcttgtcgtc ctggccctgg 120

ccgtggcgct cgccggcgtg gcactgggag ggggcgcggc ggagggggcc ggcgagtgcg 180

ggaggtcctc ccccgaccgg atggccctgc gcatggcccc gtgcatctcg gcggcggacg 240

agccggactc ggcgccgtcg agcagctgct gtccggcggt gcacaccatc ggcaagagcc 300

ccagctgcct gtgcgccgtc atgctgtccg gcaccgccaa gatggcccgg gatcaagccc 360

gaggtcggca tcaccatccc caagcgctgc aacatggccg accgccccgt cggctacaag 420

tgcggagatt acacgcttgc ttgatggccc ggcaatgctg ccgatgaaga tgaatgctgt 480

tgaaggcgtc gtcgtgtggg aaataggagt ggt 513

<210> 6257
<211> 407
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316104g07b1

<400> 6257

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tcaccgcgtc attctctcag cagcccggcg acgacccgga cctccggacc ctcctcaaga 120

tcaaggagca gttcggcgac caggccgcac tggtgtcttt gctgcccggc accgaccagt 180

gcaactggcc gtacgcctac tgcaaccagc accgccgcgt cgtcgccatc ttcctccaga 240

acgtcaacat cacctccacg atcccaccgg ccatcggcga cctcgaccag ctccacacca 300

tcagcatcca cagcatcccg ggcctccatg gccccatccc ggacacattc ggcaagctct 360

cgcacctctc catcttcaac atcatgcgca cctncgtctt gggctcc 407

<210> 6258
<211> 517
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316104h04b1

<400> 6258

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gctgataaaa cccgattact ccttttaaga attagtgccc caatttttgg tttaaaaaaa 120

taaatttata ttttataaat gagagaaaaa aaaaaaaaaa taataaaggg gggggccctt 180

tttgggggtc aaatttttct tccccgggat tggaaaatta aagtttttt ttgggggccc 240

caaaaaaaaa ttaatggggg ggggtttaaa aaaggggggg gggggaaaac ccgggggttc 300

cccaatttaa ttttttgga aaaaatcccc tttttgccgg gggggaaaa aaaaaagggg 360

ccccaccaaa tggccttttt aaaaatttgg caaccttaat tgggaattgg gcctcccctt 420

ttttggggta tttaaagggg gggggggggg ggggttttcc gacatggggc cctttctttt 480

ttaacgggcc tattgccgcg ttttttttgt ttttttc 517

<210> 6259
<211> 55
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations

<223> Clone ID: uC-tsro9316104h05b1

<400> 6259

cctacgcgtt cgtccacgcg tncgcccacg cgtgcgccca cgcgtccgat cgcga 55

<210> 6260
<211> 411
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316104h06b1

<400> 6260

atttgttgtt taggccaaga ggagggccga aattgcaagg gtgaggtagc ttcatacgct 60

caaagggcac gtggagtccg tcgtcaagct gaagggtctc gacatcgaga cgatccagca 120

gtcctacacg gtctgatgct ctgagctgcc catgagcgaa gagtggatcc tcttctttgc 180

tatgaacttc actactgtaa tcgaccgtgc gcgtggtact gagacataac tactctagtt 240

aaacgttgcc cgctggtgac atagtttcgc accacctaag taaccgcgtc gccgtttttt 300

tttgtttgat tttttttac gttttcagat agtatgtata ttatgttttt tttccaaaac 360

acatactcct tttttcagct gggttaattg ctaaaaggcc cgtactcgat c 411

<210> 6261
<211> 402
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316104h07b1

<400> 6261

gatgcttatg gagagaaggt acatggttga gctgaagaag tactacgcca tcttcgatga 60

gaagtgcctg tccaagattc ccaagggccc gtccaaggat aagaagcagc attagaacgg 120

tagagagtac cctgcgcaga tttatcttca aagttgatca ctactcgtcg gttttcaagg 180

atggttgtga ttccatgtcc gtagttgata gtagatacca ctatcttgtc aaaaacctct 240

ggcacggtca gtagtcgtga cgtgcaactt ctacgaactt aaaaagtcat gccagctttt 300

gctgaatatc ctctttccaa tgctatggtt aacgtagcat cctcacttgc aagttgtgtt 360

ggtgtaatat ggcattgatg tttgtgacct tagtagactt gc 402

<210> 6262
<211> 274
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316104h11b1

<400> 6262

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gcatacgcat gcatgaaaag aaattattgt tccctagttg ccatggatga tgcgtcatgg 120

tgcttggtgt ggatgatata tggcgtgtat atcacaggat ttacctgctg tattaaaatt 180

gggtgcatac accattctga tattatttta taattggaat aacagctagg gtatgatgct 240

tccgcacagt tgatcaaact gaatggcgaa tggt 274

<210> 6263
<211> 285
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316105a03b1

<400> 6263

gtgttcccgc atgtgaaggc ctggtggact gacctgctgg cgaggccgtc cgtccagaag 60

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cgaggtgtgt gccccccgat gtgtgcctgt acgagtgtgt gttcttgtga tgtctcctcg 180

cgttgaatgt tcaggcttgt gcttgcgatc ctgtctcatc ttttactgaa atgagcgttc 240

ctatgctctg gtttaataat aaattgtgcc tagctctaaa agcaa 285

<210> 6264
<211> 329
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316105a04b1

<400> 6264

ctaaaactat agaaatatat aaatcaaaaa ataatataaa acccttttgga ataggaacaa 60

aaaaaaaaaa aaaaacataa aaaaaaaaat tctacatcct actatgggct cgcgatctgt 120

gtcggccgag ggtgaattca tgagatcggc ctcggctcaa gtgttctatc gtgcgatcgg 180

ggttaccata caattctctc ctagtaacct gtcggaattg gaaaaacctt gggggggcccc 240

attttatctg gttagcagga aaatcccccc tttggtcccg ccgctttatt ttcttaaggg 300

ctcttccccc tttccctttc caataagtt 329

<210> 6265
<211> 324
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316105a06b1

<400> 6265

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agctgctgta tttggcgtca gattctcact tctgctcatc acataatgtc cttgagtctc 120

gtagtgaagc tatggtcaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaacaaaa 180

aaaaaaaaaa gcaaataaaa aaaaaagaca aaaatacaaa aacaaaaaaa agaacctatc 240

cttgggggggg gccctttta gggaccccat tttttccccc cgggggtggg aaggattttg 300

ttttttttg gggaccccaa attt 324

<210> 6266
<211> 238
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316105a07b1

<400> 6266

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gtgcacacat aagaaaggct taagctatgt gcttcggcat tttgcctcct gttaagaatg 120

aatatcattc tagtccggaa ataaagagca tgttaatctg tcctgcatat gtgtactcgc 180

tggaatttgg acgatcaact ttgtatgaat aaaacatcgc atgaataaaa aatacaaa 238

<210> 6267
<211> 300
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316105a09b1

<400> 6267

tgtcaacatt gtgccgtcgg tggtgtacct caagccgccc aagccgaagc agggcatccg 60

gctcgtgctc cagtgcgtcg aggagccgca cgccgccgtc ttcacccagg agctggagaa 120

gctcgcctaa gagggcttgc gttcgtcatg gttacctcca tactttacag aattattaca 180

ggtgggattt ggagttgctg ttgttgttgt attcttcatc ttgttgtgtg ttgtagttgt 240

tgtattccac accaggtttt gcttccaaca aacaaataaa tcactgaggg gttcttcttt 300

<210> 6268
<211> 132
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316105a10b1

<400> 6268

gctgctagta ctttgttatc tatctatcta tctctattat aataccctttt ggaattggaa 60

ctgagtggtg gctggaactt agattccggt ttgctcatcc gccctatctc tatgaatgaa 120

ttggtttggg tt 132

<210> 6269
<211> 250
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316105a12b1

<400> 6269

ctacctagcc tgatcccgag ggaagggaag ggagaaaccg ttgagctgtt agtgttgatg 60

cgtttgttgt tgaatcgaac aaaaaagccg ctgtgattcg gaattggaat tggttggtgg 120

aatgctatgg tcaaaaaaaa aaaataaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 180

aaaaaataaa aaaaaaaaaa aaataaaata aataaaaaaa aaaaaacaat aaatatcggg 240

gggggcgttt 250

<210> 6270
<211> 348
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsro9316105b01b1

<400> 6270

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ttatgaccag tatgttcaaa ctcgctctga gcttgaagag aatcaaatga agcagtacaa 120

atggcaacag gaacagatag ctaatatgaa ggagtacatt gcccgatttg gtcatggatc 180

tgcgaagctt gctcgtcagg ctcagagcaa agagaagact cttgcaaaga tggagcgtgg 240

tggtcttgct gtgaaggttg tcaaatgaca ggattcttgt tttccgcttt acagatggtg 300

gctaacttcc accaccagtg ctgcagtttg ctgatgtgac atttggtt 348

<210> 6271
<211> 442
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316105b06b1

<400> 6271

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caagtgccac cactgcaagt ccaccctctc ctttagcagc tactcctcct ttgaaggagt 120

gccctactgc aagccccatt tcgcgcagct gttcaaggag accgggagct acaacaagag 180

cttccagtca caatcccccg cgaaatctgc gacggagaag ttgactcctg agctgaccag 240

atcgccaagc aaagctgcgg gcatgttttc gggaacgcag gacaagtgcg ccacttgtgg 300

taaaacagca taccctcttg agaaggtgac agttgaagag aagtcctacc acaagtcctg 360

cttcaaatgc tctcatggag gctgtgctct attcgcggcc aactacgcgg ccttggaagg 420

cattctttac tgcaagcacc at 442

<210> 6272
<211> 515
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316105b07b1

<400> 6272

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atacagattg atcaatcaac tgtagccatc aaggagactt ttgggaagtt tgatgcgatc 120

ctgcaacctg gatgccactg cttgccatgg tgcctagggc agcagattgc tgggtatctt 180

tctctgcgtg tgcagcagct tgacgtccga tgcgaaacca agaccaagga caatgtcttt 240

gtcaacgttg tggcatctgt gcagtaccgt gctcttgctg acaaggcatc tgatgccttt 300

tacaggctta gcaacaccag ggagcaaatc cagtcctatg tctttgacgt gatcagggct 360

agcgtttcaa agatgaactt ggatgatgta tttgagcaga agaatgaaat agcacgggct 420

gtggaggatg aacttgaaaa ggcattgttt gcctacgggt acgagaatgt gcaaactctg 480

attggtgata ttgagccaga tgatcatgtg agaga 515

<210> 6273
<211> 459
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316105b11b1

<400> 6273

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aggtcaccct ccccacagtg acgatggcac cgatgcctgg gattgtcgtg cccaaggtga 180

tgctgccgcc gttgcccttc gtcccgaatg tgaacgtgcc tatgccgatg gcggcgccac 240

ccccgtcgac gtaggcgcgc ccatgtgaga gtggcgccag gtcactccgt ggtcacgacg 300

catatatatg ttctttacat gcaaagctct gcgttttaag cgtgatgtat tagtagatcc 360

tacttttgtt tacgtctcag tgtatctatt tttagtctgg tgctgctagt gtttgactgt 420

aggggttggc ccagtgtcta tatgtatttt tgcgggaaa 459

<210> 6274
<211> 463
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316105b12b1

<400> 6274

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gccaccacag ctagataaga aaaaaagaga gagcagaact cgttgggagt gctcgagatc 120

tgtgtcggga gaggggggaat tcttgagatc ggaatcggaa caagcgggcg cgctcgggat 180

cggggttacc atacaatttt tcccaggaac ctttagtgaa tgtgctaatg gagtcaaagg 240

gtggcaaaaa gtctagcagt agtagttccc tgatgtacga agctcccctc ggctacagca 300

ttgaagacgt tcgacctgct ggaggcgcca agaagttctc tgctgcatac tcgaactgcg 360

cgaagaagcc atcctgatat ncgttttggc atccccttcc cgtagtttag gatttttatg 420

caatttttatt ctgactcttt tctcccacca tctctttggc ctg 463

<210> 6275
<211> 242
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316105c03b1

<400> 6275

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atactctaga ttgtctttaa atgttaattc acagacttaa cgacagcgta taaaagttct 180

ctgtcagttt ttgctggatc aaaataaaac aaaaaaaaaa aaaacaaaaa aaaagaccat 240

ca 242

<210> 6276
<211> 169
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316105c07b1

<400> 6276

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ggaccagtgt gttatttgca gttagttctg ggtccgtctg taaaatgctg tgtacttcat 120

gttcagtgtt aatgcagcat cagggtcctt ctggacccgt cttttgttc 169

<210> 6277
<211> 373
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316105c09b1

<400> 6277

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gaagaagaag aagaagaaga agaagaagaa gaagaagaag agaaggagat cccgtcatgg 120

gcaaggggaa ggaacctgca aaggatgccc ctaacaagac caaggcaccg tcaatcagta 180

cccagttgac aaaaccaccg tcgttcaaga agaaccaggt gcagtccagg aataacccga 240

tgctgactta gaagaagaac aggaagctgc cgcctaagaa taaaaagtga gagtaagcct 300

ccaaaggggt gagaccacct gatctccgac atcgtccgac caggacgaag ttaagcggcg 360

tgtttgcgtc aag 373

<210> 6278
<211> 492
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316105c10b1

<400> 6278

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atcgtctgca agaaggccga catcgacatg aacaagaggg ctggagagct ttccgcggag 120

gagatggacc gcctgatggc ggtggtgcac aacccgcgcc agttcaaggt gccggactgg 180

ttcctcaaca ggaagaagga ttataaggac ggcaggttct cccaggtcgt ctccaacgcc 240

gtggacatga agctcaggga tgaccttgag aggctcaaga agatcaggaa ccatcgtggt 300

cttcgtcact actggggcgt gcgtgtccgt ggtcagcaca caaagactac cggcaggaga 360

ggaaagactg ttggtgtctc caagaagcga atagctgctt cacaaagatc ccgcatagct 420

ttgctactac tgtgctggtc catttccaca atcttaagga gtgctcttgg ttagacgatt 480

accttggatg at 492

<210> 6279
<211> 256

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316105c11b1

<400> 6279

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gacgagcttc tgtcggattc gttcccttac agggagctgg agaacggcgt gctctgggaa 180

gtcgatggcc attgggtcgt tcaaggagca gttgatgtgg acattggagc caatccctct 240

gctgagggtg gtggtg 256

<210> 6280
<211> 194
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316105d03b1

<400> 6280

ctttctcgtg ggaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 60

aaaaaaaaaa aaaaaaaaaa aaaaggaaaa aaaataaaaa aagaatccaa gataaaaatc 120

aaggggggggg ccctttttagg ggacccaagt ttacttcccc gggcttgcga ccttttactt 180

ttttttgggg ggcc 194

<210> 6281
<211> 454
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316105d09b1

<400> 6281

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tcctcgcctt tctccttgag gttcatcgca gaaacaagaa actcgcagcc atggacagat 120

ctgctgtttc tcaggccctt ccggtgcacc aggaagacga ggacctgttc gagacctcct 180

cctccttctc ctgcgactcc gacgacgagg cccagttctc agacggcgag gaccagtttg 240

tgccggcttc cccgccggtg cggagactca actctgacag cgtctacgat ctgtcgtcca 300

tgaaggccga actcttcgcc aagaaagggt tgtcgaaata ctacgacgga aagtcccagt 360

cgttcgcgtg catgtccgag gtgagatgcc tggaggacct gcccaagaag agcccctaca 420

agaagatcaa gtcgtgcagg agcaacattg atct 454

<210> 6282
<211> 404
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316105d11b1

<400> 6282

tttgtaagct cgaggtccat ttagctgctc accgaatcaa ggatgagctg cgccgcccca 60

aaagcccccg ccggagagga gaagaagacg tcatggccgg aggtagtggg aaagtccatc 120

gaggaggcca aggagatcat ccttaaggac atgcctaacg ccgacatcga tgtccttcct 180

gctggctcgg cgatgaccct cgacttcagg accaaccgtg tccgcattat cgttgacact 240

gtcgcgacca ccccttccat tggttagcaa gctttgcgag cgagatacaa aatggatgca 300

cttatgcatt ctgatgaata agtagtttta ataatcatgg atgaataaat acacgcagat 360

caatggcgtg tgtcgatgta cttatggtgc aatggacttg ccta 404

<210> 6283
<211> 484
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316105d12b1

<400> 6283

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tctgcggctg ggaggagagc ggggtcaccg tcgccctcat cttcgagcac gcgtcgcgct 120

gccgggagag gcgattcgag atgctgcagc gccaggcgga ggagcggatt gccggtgagc 180

aagcaaagaa aggtcgccgc catgcgcata tcaagcttcg gaagaactag tgtgctggcg 240

cgtcaacgag gaggatcgac ccaacaccgg agtggaagag ttccagagga ccgactgcat 300

gagtagttta ggttttatat tagccctgtc ccgtaggact ttgttgaact cacgtagagt 360

tttagcaaaa ttggcttagg aagccatata ctagaacaaa aaatgcagat tttactgcac 420

atatgccact atactggaat cattgatgcc cataaaagat ggcattttct gtagatgttc 480

cttt 484

<210> 6284
<211> 253
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316105e01b1

<400> 6284

gtttaatatg tcgtcgtcgg tcggaggcgg agggggaggc ggcacggctt tggccggagg 60

ggacgtcgct ggccttctgg acaaggccaa ggagctggac cagctgcgga aggagcagga 120

cgatgtggtc accgagatca ataagatcca caagaagatc attttctccc cagagatggt 180

ggataaatca gtcgatgcca tgatggctag gcttcgtggg ttttatgtac aagcaagaga 240

actctctgag agt 253

<210> 6285
<211> 80
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316105e05b1

<400> 6285

tattctggca gacaaaaaaa aaactaataa aaagggataa aataaaaaaa aaaaaaaatg 60

aaatcaaact aaaacaaaaa 80

<210> 6286
<211> 505
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316105e12b1

<400> 6286

tttttcgcgt tgccgttcct cccgcggccg tcagccgtcg tcttcgccgc cccggttttc 60

ctcccgtggc cgtcagacgc cgtcggagcc gccctacccc acgccccgcc ggagccgccc 120

ccttcgccgc gggagccgcg ggccgctgga gccgcccttc gccgccccgc cgctcagctt 180

gccggagccg cccgccgccc tacgccacgc cccgcgggag ccgccccctt cgccgtggga 240

gccgcgggcc gttggagccg accttcgccg tcccgccgct cagcttgccg gagccgtccg 300

ccgcaccccc ttggccacgg gagccgagtg ccgccgagcc gttcctccac gaccaccaca 360

accaaggtag ggagcgctgc tccaaccttc tctcctatga ctccaagtct gacgacgccc 420

gcgaccaggc gtgctccccc acatgggacg aggaacgtcg tatacaatat tgggtaacag 480

cttgtgtgac ggaattgccg agttt 505

<210> 6287
<211> 444
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316105f04b1

<400> 6287

gtgtgctgcc aacctccagc caagtcccca gatgcactct ggggtggcag ccattgccgg 60

cgcccccaac cccgcgatgc acgtgctggg atcatcgacg gggctctggc tagacggcgg 120

ccagcccctc gacgatcacc cgcggttcca ggtcttcgag cgcttggggg accatgacag 180

cgagctccag ctcccaaagc cttcctacga ccatgcctcg cacttcgacc ggatgcactg 240

atgatggctc cggtccactg ggtgcgtgat tttgtcacgc gatcgacgcc gtttcttcgg 300

cctgaaactc ggaatgctga atttactttg ctttgacgcc gctgcctgcc tagaggccta 360

aggttttggc aatgcctaga ataaaggcgc acaacaacag acttaggatc aaattgccca 420

gatgtgttgc catggaaaag attt 444

<210> 6288
<211> 328
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316105f09b1

<400> 6288

tatttaaaca aaaaaaaaaa aaaaaaaaaa aaaaaaaaat taaaaaaaaa acaataatga 60

agatggcata ctcttaaaga agttcgagtt ccatcagctg gcgcggtcat ggccctccgt 120

ggctctggct cctctgaggc ggagtccctg cctttctgtt gtattgcttg actacctgcg 180

atcgctgggc gttccacaga tccgtggcgt gggactgcct gggccttccg acagttttgg 240

tcctgccggt ggaggcccct ttccgcggcg cttgatgaca cgaggcctcc ccgagggact 300

gcccgtccct tccttcgctc ggcctgtt 328

<210> 6289
<211> 440
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316105f11b1

<400> 6289

catcagacca aacttatcca ttcgagaagg aattgaaatt atcgtttcag gaggaatgac 60

catgccacag gtaattgcat cgctagatcc catgccaagg aagagccaga gcatccgcct 120

gaatagaata atgacatgag aacgtgtgag tcatcaaaac aatgggtcgc gaatgggtgg 180

atgggactcc agtgctggtc tgtttgtgct gctcgttatt acatgtaaaa tgtccaggtt 240

ggatacggga acgtgatgac caatgctgga cggaagcatc gtatcgatgc cctggaatac 300

ctgaatgtga caccatgttg attctctctg tttgctgact ggatcaaagt gttaactttg 360

atgcaccggt ggggtacaac tagtgcgcct gattacattc atttggtaga gcgtgtcggg 420

tattaccttg tctgacttttt 440

<210> 6290
<211> 483
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316105f12b1

<400> 6290

tctacgcgtc cggaacgccc tcgcctacaa ccggaacctg ctggtgcggc aggtgggcaa 60

cgagggcacg ccgctgcgcc cccgccagcg cctcgaggtc tacctcttcg cgctcttcaa 120

cgaggacatg aagcccggcc ccacctccga gcgcaactac ggcctctacc agcccgacgg 180

ccggatggtc tacaacgtcg gcctcgccca gcagcagacc acgtcggcgg cctccctctc 240

cctcgccgcc tcctccgcgc cccccgccat ggatgttgga aaggacttga cgagcctgtg 300

cctcatctca gctctggcca tcctgctcac ctcccaggct ttcttactgg gatagcaaaa 360

gcacccaaga gtgcggccat atgcaagcaa gcaaaatggc cttgactttt gtggaccaaa 420

agccttgcag accaaagggc agagatggtg caccatttga agggggcaaa ggaaagcata 480

tgc 483

<210> 6291
<211> 236
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316105g01b1

<400> 6291

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agccagcggc gacgcggcgg aggccggggc gcccccgctg ctgaacctct tcaactgaga 120

gactgagtgt aaactgtaat tgcgcagttc gtgtgtgggt taattagttg catcgggggt 180

agtccatgaa gctttttggg acgctgccac tcggtttacc aaccacagaa cctcgt 236

<210> 6292
<211> 212
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316105g03b1

<400> 6292

ccttctttta cggcggccct cagtgatcga agctggaaga agttcgcgac catagcgtta 60

tgtaactctt gagacttctt attatcacat acaaggagtg cctgtttgtt tgcgattcaa 120

ataaactcgc gatgcatgag cgcctttatg gatctacttt aggatcaaat cctatggtta 180

tagacatcgt ttgttctcct ttttggtttc aa 212

<210> 6293
<211> 427
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316105g04b1

<400> 6293

actatattcc atcacgcaat tccgatcaat ctcttaagct taattagctt tccagagcta 60

caggcgatcg aactcaacct agctagcgag cacctgccat caaaaaccgg ccattagtga 120

accttcggtc atgaggtcgt cgccatggat ggtgttcgcg tcggcagcgg ttgttctgct 180

cgccttggcc gcctcgtcgg cggtggtgga cgcgtcgccg ccgtcgaagt ctttggaggt 240

cgggttctac aagcacacgt gcccgcaggc cgaggacatc gtgcgcgatg ccgtcccgcg 300

cgccttgggc cggaaccccg gcctggccgc cggactcatc cggatgcact tccacgactg 360

cttcgtcagg ggctgtgatg ccttggtgct gatcaactcg acgccgggga acacggcgga 420

gagggac 427

<210> 6294
<211> 184
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316105g06b1

<400> 6294

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ctccaccacg tcgccggcgg ccgtggtcag gtcctgctgc agcagggcgc gcaaggccgc 120

ggcgctggcc agcggctcca tgaacgggaa aaaaaaacga aacaataaga aagaaaaaca 180

aaaa 184

<210> 6295
<211> 516
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316105g12b1

<400> 6295

gttgttacat cggaatagag ctgtggcagg ttaagtcagg aactttgttt gacaacattc 60

tcatcactga cgatgctgcc ttggccaaga catttgctga agagacctgg gccaagcata 120

aggaggctga gaaggctgct tttgacgcgg ctgaaaagaa gaaggaagag gaggatgctt 180

ccaaggctgg tgaggacgat gatgacttgg atgatgagga tgccgatgat gaggacaagg 240

atgacaaggc tgggtctgat gtcgagtctg atgacgagaa gcacgatgag ctttagatgg 300

atggtgagga tgagaggagg ccgtctgcct ttgcgccggt gccatgattt attagttgtc 360

tcttattctg atgctcccct ttttgcgatc agaaacttga caaggtactg tgtgtagaag 420

aacaacatac tcgggggtct ttgttgcgct tttgtagttc aatttttccc gaagggaact 480

ttatagttgt taaacgggca aaagtaaaaa ataaaa 516

<210> 6296
<211> 408
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316105h01b1

<400> 6296

ccttcgcgtc cgcccacgcg tccggcgaga gctgggctga tgaacccgcg ggtgctcctc 60

ctggacgaag ccaccagcgc cctggacgct gagagcgagc accttgtcca ggatgcaatg 120

gactcgttga tgagagggag gacggttctc gtgatagctc accggctctc caccgtgaag 180

accgccgaca ccgtcgccgt catcttcgag gggcagatcg tggagagcgg tacgcacgac 240

gagctcctcg gccgcgacgg catctacacg gccctggtga agaggcagct gcagttgccc 300

atgttagact atgtatagct tcctgaccta tgtaccgata tggacatatt tttacacaac 360

cattatatat tatgggtaag gccttcctaa ggggtggggc tgggtccc 408

<210> 6297
<211> 582
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316105h02b1

<400> 6297

ggcggttttg ttaaataaac gatagtcaat caccggttag aatatttaaa acacgggggg 60

ttccatacca accctgaaaa agagatcctc gaccttcttt catccgtctc cgtttcgggg 120

gcccgcgtct gggtcccccg ctttgctccc tctcttgccc tttgggggggg ccctttttgg 180

ggggcccggg tttctttccg gggcggggcg accccatgct ttctttgggg gggcccctct 240

tttctctttc cggggcgggc gtttcccccc gggggcgtgg ggaacccctg gggggtcccc 300

cacttttgtc gtttggggcg cccttccccc tttccgcgtg gggggatttg cgcaggggggg 360

ccccccccctt tcccctttccc ccaggtgggc cccccctttgg gggggacggg gccccccctt 420

atgcggtttt attgcgcggg gggggggggg ggtccctcct gggggcctct ctttttggg 480

ggctgtcccc ccgtttttgt ttttctcttt tttttgcggg gggggtttcc cggggttttt 540

tgggggtttt tgggggggtt ttgtttttgc ccccccccaa tt 582

<210> 6298
<211> 62
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316105h03b1

<400> 6298

aattattaaa aaaaacaaca aaaaaaaaaa aaaaagaaaa aaaaaaaaaa aaaaaaagaa 60

aa 62

<210> 6299
<211> 53
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316105h05b1

<400> 6299

cttcttaatt tttttaataa taaagcacgg attgggtctc cggattcacc gtc 53

<210> 6300
<211> 82
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316105h06b1

<400> 6300

ggagccccac agggcgccgg caacaacgac ccgcaccgac acaccacacg ccctactaac 60

gccaaagaga ccgagcccga gg 82

<210> 6301
<211> 228
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316105h08b1

<400> 6301

tttgccgccg ccgccgcgtc caagtgcgtc tggcagagcc gccgccccga ccgcgcccgc 60

aactccctcc ccggcctcgt cctcgccctc tagccgccca agccaagcca aagccaagct 120

ggacgacgcc caccacttgg gcttgggcgt acgcatgggc tgacgttgct tcttcaattc 180

ttcttcatcc cctgctctgc tctccctagc ctggtgattc ttgtttgc 228

<210> 6302
<211> 179
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316105h09b1

<400> 6302

tttatcgcgt gggagctagt gctgtttttg agcaaataag gcgcctcaac tcaagcagga 60

aggcgtctta tgttggttca aagggtaata acaagaaatg aaagaggaat gatgatgatg 120

agaattttcc agcaaaaaaa aaataaaata aaaaaaaaaa aatacttaaa aaattaaat 179

<210> 6303
<211> 406
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316105h12b1

<400> 6303

ttcttaggcc aaagagaccg agcccgaggc tgtccaaccg gcggcagccg ccgaggaggc 60

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agagaccaaa gtagtggagc gtgaggcagc accggctgag gtcgagacca aggaatcaga 180

gcaagaagct gctccagctg agactgagac caaagaggca gagccagccg ctgccgaggc 240

cgaggccaaa gagccggtgg cagaggagac accggccgag gaggaggcag ttgccccgga 300

ggccgttgtg gcagtgcagg aggaagcagc tactgccgag gcaccagtgg agcctgccgt 360

cgccgtcgag gcagcaccgg tagagacaga agcaccagct gctgct 406

<210> 6304
<211> 393

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316106a02b1

<400> 6304

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aaaaaaagcc caaaaaaaga agcagagaag acatccagca tactcacagg acggctggcg 120

ccaccagaga cacgaacgag gggggggccg cccaagagga cccaagggcc cggccggggg 180

ccccggacga caaacctctc ctaagggggc acccaaatcc aagtcacggg cggccgttta 240

ccaccctcgg ggccggggaa accccggggg ttccccaccc aaagggcctg ggagaaaaac 300

ccccttttcgc cgggggggga aaaagcaaag ggggccgacc cggacggcct tcccaaccgt 360

ggcccacccg gaagggaaaa ggggcccccc cct 393

<210> 6305
<211> 307
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316106a03b1

<400> 6305

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agctggccgt ggccgccgac gtcaaggagg acgtccagct gctggccgag cgcgggcgcc 180

cgttcgacgg acggagcgcg ttcgctgggc tctggggcgc gccgagcgac tgcggcgctc 240

ccgtggtctg cttcgagggg ttctgcctca cgctggaggt ggaagcgtgc aagtggaacc 300

ggggcag 307

<210> 6306
<211> 217
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316106a05b1

<400> 6306

gttcagtctt atcacagccg ccgccgccgt cgaggaagaa gaagaagaag aagagaggaa 60

gctaccggac caagcccggc gggcgaagat gaagacgatc ctggcgtcgg agacgatgga 120

gatcccggag gaggtgacgg tgaaggtgcc agcgaagatg ctcttggtga cggttcctcg 180

gtggacgctg acgcttaact tcaatcactt taactct 217

<210> 6307
<211> 286
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316106a08b1

<400> 6307

ttgttaccac cggcgccccg gcgcgagagt agacggggat tcagacaaaa ccgaggatgc 60

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ccagagagaa cccgaggagg aggaccacga agaaagacga actgacctgc ccgccatgcc 180

cacgaagggc gaacaaactg aaccgcgaag ggacccagac ggggacgaaa gaagaaccgg 240

acgccccggg aagcacagca gaaagaggag cgggaagaca caaggc 286

<210> 6308
<211> 152
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316106a11b1

<400> 6308

ttgataatta ttgctgggga tcttgctcaa agtgaactgg tcaccaaatt atgaatatat 60

tgattggctt agcatacagg tcacccaaac aaaaaatagt tgaccacatg acacaacgaa 120

acccaacccc ccccccgag gcactcccta ag 152

<210> 6309
<211> 144
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316106b01b1

<400> 6309

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actgcaagcg gatgacattc agatcattgg gatgctgcct gctcttctgt gtctggttct 120

gttcgcacgt cacgtgatgg gaac 144

<210> 6310
<211> 92
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316106b03b1

<400> 6310

gctgctactg gcgatccggg gcgtgagtgc accatgagtc agtgagcacc actgatgctg 60

atggcagacc ctgacgagat agagtacgga ca 92

<210> 6311
<211> 93
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316106b06b1

<400> 6311

gatatttttc ggactgctcc agaagtggcc cgcgtgatga aatcatgaac gaacttacct 60

ttcattgacc ccgagaaggt ctggctcgtg cag 93

<210> 6312
<211> 270
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316106b07b1

<400> 6312

tttgttacca ccaggcatgc tacaggcgag tagatagaca ttgatagaaa tcgggattga 60

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gtcatcgatc gtgtacgtag aggagcatac caaatggtcg attgaccgcg cggcgatcgc 180

cgagtgcgtg acaacggtac tgttgctcta catcagcgtg gccaccatga tcaactacat 240

gcacgagtac gacctcttcg taaagaccac 270

<210> 6313
<211> 73
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316106c02b1

<400> 6313

gctatttccg gcgatccggg gcgtgagtgc accatgagtc agtcagcacc gttgatgctg 60

acggctgacc ctg 73

<210> 6314
<211> 94
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316106c03b1

<400> 6314

gttactaccg gggagccggg gcgcgagcgc accatgagtc agtgagcacc actgacgctg 60

ccggctgacc ctagagagtt agagtacgaa caac 94

<210> 6315
<211> 94
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316106c04b1

<400> 6315

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ttggctgacc ccgacggggt agcgtacgta caac 94

<210> 6316
<211> 74
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316106c05b1

<400> 6316

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atggcagacc ctga 74

<210> 6317
<211> 260
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316106c07b1

<400> 6317

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cggccagacc gggaacaacg gaggcgctac ccaacacaag acgcctagca gcacatgacc 180

cctgcacgcc agcgcggcgc aaccagcgca cgaggcgccg acaccagacc gccccccaac 240

caaacagaac gcgccagcca 260

<210> 6318
<211> 115
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316106c11b1

<400> 6318

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tggccgacct tgttgagctc ctatttcctc acctggcgtc cctatagctc cttag 115

<210> 6319
<211> 95
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316106d01b1

<400> 6319

tatactacag gagatccagc gcgcgagggc agggggagtt agatagaacc gttggtgttt 60

ggacctgaca caagcaggga agaggacaga caacc 95

<210> 6320
<211> 303
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsro9316106d03b1

<400> 6320

gtacttccgg ggacaccggc gcgagagcgc acgatgagca gatagcaccg ctgacgctga 60

cagcagaccc agacgagttc gagtacggac aaccggggca acacggggcc caggagccaa 120

agactcactg tggaggagcc catgacgaaa gacgaactga cggcccgcct acgcacgctg 180

ggggaacaac agaaccatga agacagcctg actgggacga aagaagaact gaacacccaa 240

ggggaaaaac ctgcaaaagg agcccgaaaa aaccagcgca caaaaccaag gcaacgccgc 300

caa 303

<210> 6321
<211> 60
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316106d04b1

<400> 6321

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<210> 6322
<211> 82
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316106d07b1

<400> 6322

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acgccagcag acccagaaga gg 82

<210> 6323
<211> 166
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316106d08b1

<400> 6323

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gcttctactt cgggtggttc gaccagcacc cgacgtggca cctgacggcg ctatacgtgc 120

cgtagttcga cgtggcgccg tctccggagg actgggagcg cgagct 166

<210> 6324
<211> 83
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316106d09b1

<400> 6324

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aacggtgtgg gtgggaatac atg 83

<210> 6325
<211> 97
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316106d10b1

<400> 6325

cttcgttacc cccaccgagc cgcggcgagg gaacacggac actcagagac cggcgcggcc 60

gcagccgcag gacacggagg aggccaagca ccaacaa 97

<210> 6326
<211> 58
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316106e03b1

<400> 6326

gtttactacc gccgatacag cgcgcgagtg cacgatgggt cagtcagcac cgatgacg 58

<210> 6327
<211> 67
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316106e05b1

<400> 6327

gttacttgcg gccatacggg gcgagagccc agggggggact agttagcacc gctgatgctg 60

atagctg 67

<210> 6328
<211> 69
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316106e06b1

<400> 6328

cttactcgag accacgagcg gccggccaag aggagggaag acaacgaacg cgcgcaggcg 60

acgacacac 69

<210> 6329
<211> 428
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316106f01b1

<400> 6329

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ccagtctacg gttcagttgg ctctggattt tttgtcgcct gagagtttgc gggagtcggc 180

tcgtatggcc caagagatac gctgcctgcc aaatcatcat gatgcaaaac tgaagatgct 240

tgagggtgga aaaatagctt tatatgcagc aagttccgct gtcaaagaaa ttcagaaaat 300

aacccttgat ccccaagtta atttggatat cagatctgtg gatcataacc ctaacccggg 360

cagttccaga gaactttggc tagagtcact aaaccaacga aaggggtctt tgtggttgac 420

attttcca 428

<210> 6330
<211> 84
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316106f02b1

<400> 6330

gtacttttgg gcggacgcgt gggacctatc gccggagcct ccaccgaagc caagagagga 60

gcagggccaa aggaggccgc cgga 84

<210> 6331
<211> 60
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316106f03b1

<400> 6331

gttacttttg gggacacggc gcgtgagcgc acgaaggtgc agacagtacc gcggatgccg 60

<210> 6332
<211> 387
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316106f04b1

<400> 6332

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agatatgaca gcttgacaag gaggtgagga ccatgctggt gatcatggtc aaaagctgcc 120

ttggcaccta tgacaccatg ggctacagca gcgatctgct tgggcttatg ttgcaggcgt 180

gcgcggaaca aggtgggcat aaatgcgatt ctgattgtgg acgaaagaat aacatgaggg 240

caagacctgc ttccctgcca gaggtgacag cagatagcac gtgctaacat ggaccatgtc 300

cttgttgaac acacaccctg agtggcaaca gaagctgagg ccggaggtgc tcagatagcg 360

tggcagtcag gtttccaccg gtgacat 387

<210> 6333
<211> 300
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316106f07b1

<400> 6333

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tgacatggaa gcagtttaca agaaggttca tgctgccatc cgtgctgatc ccaccatggc 120

ccaatcaacc aaggcgcctc ccaagactca caagaggtac aacccctaga agctgaccta 180

tgagcagagg aaggccagcc tcgtcgaaag gctcaacgcc ctcaacaact ctgccggtgc 240

cgccgatgac taccaggacg actacgagtg aatagcgctt ttgtccaccc cagtgtattc 300

<210> 6334
<211> 246
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316106g02b1

<400> 6334

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ccactgtgcg cacagatgat gaatgaagat cgggtgccat ggtgattgat gttctgagaa 120

gttgttgagt cagggcttaa gaacttgaga ataaattctt gcggtgacaa tggatctatt 180

ccgatactat gttgttatat ttactaattg ctccttttct aaaaaagaaa ctccgagagg 240

aaaaat 246

<210> 6335
<211> 120
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316106g04b1

<400> 6335

ggtcattcca cagagcatca gccggagcac ttgtatgtcc actttgatct tcatccggct 60

ccggcgctct cgcacgcgcg aacgagcgag accaccacct cgaaaaccaa gaagagatgg 120

<210> 6336
<211> 261
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316106g06b1

<400> 6336

gatacttccg cccacgccgc ccaggagcca gcggagggtt atttggcacc gacctcgcac 60

ctcaccgacg gcgccgagcg ccatgcccaa acaaggggggg aaggccaagc ccctaaagca 120

ggcaaaggcc gccgggatgg actcacgaca gaaagacccg ggaaaccccc agaagaagaa 180

gggggagcac aagggcctga aggagcatga aggcccaggc aggacagaag ggcgcgctgg 240

gaggatcggg tctcaagaag a 261

<210> 6337
<211> 241
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316106g07b1

<400> 6337

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tttaatgctg acaccgatga gatcatgtcc gcccaactgg agtactcacg gtccttcgac 120

gcccacggag catcctgtgg cggagcccat gactgagaga tgaactagat tgccccgcgt 180

accactagca gggcgaacaa actgaaccgt tgatgttagt ctcgaccggg accaaaagaa 240

t 241

<210> 6338
<211> 325
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316106g08b1

<400> 6338

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cctgggtgat gcattgttag ggaacatcat attcacgggc atgttactcc tgggagtacg 120

atatatgctc aaattttctt gagacattac acggtagtcg agagattctg ctagccgtca 180

tcatttgaag ctatttcaag acatttatgc tgacaatgat ggttcgggag atcccatgat 240

ctgctatatg gattggctaa acaaggggcc tgtcatcaca aggtgtagcc cttgagagtg 300

gtgacgcggt tcccaaaggc ccact 325

<210> 6339
<211> 303
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsro9316106h02b1

<400> 6339

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cacacgggtc agaacatgga caagatcgag cagtgcatgg agcgtgacct tttcatggac 120

cccgaggagg cgcgcgaatg ggggcttata gacgaggtca tcgagaaccg ctcggcctgc 180

ctgatgcctg agggcctcag tgccgttgac ccgcctcacc acggaggggg cgccggcgcc 240

aacggcgcgg agctggacag ggattttgag gagccctccg cgtacttgga gtggccacga 300

agg 303

<210> 6340
<211> 213
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316106h03b1

<400> 6340

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acactgccag tcagggtgag cccttcaaag accccggtga agccacgttt aaattgggtg 120

gtgtcaaact gactgcttgg gctacacact ggattgtcga ctggtaggct gcctgtccat 180

tagctatagt tttcgcgatc cattgaaacc att 213

<210> 6341
<211> 407
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316106h06b1

<400> 6341

cttttagttg aatcaggaga agtgaccgat ggagaaagac acggtggcga cggcgacggc 60

ggcggcggcg gcgagggtgt gccggcggtg caagtcgaag tactcgccgt cgggaaacac 120

gccgcagtcc tgcaggttcc acccttcctt cttcgtctgc cgccgccacg acgaccagaa 180

gaggtactac gagcttaagg acggcgaccc tccctacgcc gccaagttct acgactgctg 240

cggcgccgag gaccccgacg ccgccggctg cgccaccagc tttcacctct tctacgacga 300

ccctgagtaa cgaacctgga ctagtatgct tgcttgttcc tctgaagcaa acgcactgtt 360

ctgttacttt gtacagtcag tagaacaaac acccatctga attttgt 407

<210> 6342
<211> 450
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316106h12b1

<400> 6342

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cgctccggtg agaatccgtc gccatgtctt ccagcgaggt cgcctgcacc cttgccgccc 120

tcatcctcca cgatgacggg atccccatca cttctgagaa gatcgcgacg gtggtgaagg 180

ctgccggaat caaggttgag gcctactggc ccgcgctctt cgccaagctc ctggagaaga 240

ggagcgtcga tgacctcatc ctttccgtcg gatctggtgg agggtggtgc tccagctgct 300

gctggtgctg ccccggctgc tggtggtgct gctgccgctg cagagaagca agaagagatt 360

caggtggcgg ccaaggaaga gagcgatgat gaccatgggc ttcaacttgg tttgactaag 420

cagtttaatt ttcagctttt ctggggaatc 450

<210> 6343
<211> 556
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316109a05b1

<400> 6343

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ccgcaggact tcgtcaacct gcacaaccgc gcccgcgccg tggacggtgt cggcccggtg 120

gcgtgggaca acaacgtggc caggtttgcg caggactggg cggcgcagcg cgccggcgat 180

tgccggctcc agcactccgg cgggccgttc ggcgagaaca tcttctgggg ttccgggcag 240

tcgtggacgg ccgacgacgc ggtgaagctg tgggtggacg agaagcagaa ctaccatctt 300

gacagcaaca cctgcgacgc cggcaaggtg tgcgggcact acacgcaggt ggtgtggcgc 360

aagtcgaccc gcatcggctg cgcgcgcgtg gtctgcgccg ggaaccgggg cgttttcatc 420

acctgcaact acaacctcgc gggcaactgc aacggcgagc gcccgttcgc gttcctcacc 480

cttgacgccg aagccaagta gtacgtgcgt gtgagtgtga tcatacatgc atacgtacgt 540

gcatgtgttt atgttt 556

<210> 6344
<211> 446
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316109a10b1

<400> 6344

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cccggtctac atggaaaggc gcagcgctct ccccttccac tgtgatatgg ttctgaggtt 120

gaggagactt ctccactacg ccgatcggca tctctctcag ccaacagaca agggagatgt 180

tagctagctt agagaggtga ttgctaattc acatgattga aactatagct gtttgtttta 240

cacaggtaaa aaacaagggg tagatgccgc ttaaacccaa gtgcctgtct ctgtgtatct 300

agattagggt aggcaggtga atggtgcgtt gatgagcccg gttctgctct gatagcaaga 360

gtgttcattt cttggcgtga ggatgtatgt aatagcaata cctctccctt gcatgatgtg 420

tcaatcgtgc aacattgtag aactgg 446

<210> 6345
<211> 198
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316109a11b1

<400> 6345

atagaagaag atgatcaaga ttaaaatcaa gacctcatat atgataggat atggaagaat 60

acaccatcta ccttaggagg tctttcctga attctttaca atgcaagaat gtatctctct 120

tattaagtat ccatgtatgt catacgccag ataactttgt aatatttatc cgattatcaa 180

taaagcttga attatctt 198

<210> 6346

<211> 399
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316109b02b1

<400> 6346

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acgggtttac cacggggaac ccgggccggg ggtcaaccag gattaagtaa gacccgttga 120

ggctgttggt tgaccttgat aagtcggggt ccgaccaact ggggtaataa tggcccttgg 180

gggccatggt tcttttgggg gggagcccat gacaaaggag gacctgatgg cccgcctccg 240

ttggttgggg gaccaactga accgggatgt aagcctgccg gggacaaaag aaaaactggc 300

gttccggggg gcaaagctga aaaaggagct ggatgaccca aggcttaagt tgggaattgg 360

ccgcggttta acaccgtcgg gactggaaaa accctgggg 399

<210> 6347
<211> 194
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316109b05b1

<400> 6347

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ccccctccct cgccgacgcc cgtgggcgcg gatggacaaa gcccaggcgc cgtcgggggа 120

gagggtgcct cagcgggcga ctgctaggac agagcaagcg cagagccggc ccctcgtcgc 180

tgagcgaaca gctg 194

<210> 6348
<211> 343
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316109b09b1

<400> 6348

acacccgttt acaacaggaa caagcgccac acggacgacg agaacataag ggccgccggg 60

gccctctacc ccgacaccat caagcggctc ctgaacccga cgcaaacacc gcgggcagcc 120

gaaagccgag cgcacctgag ccctgatcgc ctcgatacaa ggacactagc ttgcgcatat 180

tagaaaattc aggaaagccc gcggatacca gcaggcccgg gccaacccaa acagaaaaat 240

cggccgccct agactccaag acaaggccgg gctcctaggc ccccaggagc aagcacggcc 300

ggggcgaacc caaccagcac cgagaaaacg gaaaaccccg ggg 343

<210> 6349
<211> 400
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316109b10b1

<400> 6349

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ccggcagaac tgcatcgcag gtcgccccga ccagcggccc ggcgagcagt gcatcgagtt 120

cctccaccgg ccgccggccc agtgtgccgc gcacgggcaa tcgtcgccac cgccgatgta 180

ctgatacgtg gcagacggca atactgcaat ttgtaactgt ttgctgcctt tgtgccgcga 240

gaaaggataa aaatgtacac atttggtata tactgtaatc tttatttttc ggaaacaaga 300

aataacaatg gattgataga tttgcgttna aaaaaaaaaa aaaacancnn caaaaaaaac 360

acacaactat aaacaacaaa aataataaaa aaacaacaag 400

<210> 6350
<211> 423
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316109c03b1

<400> 6350

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atcattccaa gcagcactgg tgccgcaaag gctgttggca aggtgctccc agagcttaac 180

ggaaagttga ctggaatggc cttccgtgtt cctactgttg atgtttctga tgttgatctg 240

actgttagac ttgcgaagcc agcaacctat gatcagatta aggctgctat caaggaggag 300

tctgagggaa acctcaaggg cattttgggc tacgtggatg aggaccttgt ttccactgac 360

ttccaaggtg acaacaggtc cagcatcttt gatgccaagg cccgggattg ctctgaacga 420

caa 423

<210> 6351
<211> 191
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316109c06b1

<400> 6351

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gctatagtgg actgtaacag cagcagcaat cagcctttct ctagatggaa aatttggagg 120

gtgataactc tgtggaggag accatgacaa aagatgaaac tgattgccca cctccggggg 180

gtgcgttatc a 191

<210> 6352
<211> 175
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316109c09b1

<400> 6352

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tgcgcttcct tctcaatata catgagaaaa tgacggagga gttaagcatg gccttttcat 120

ggcgtctggc actacgctgt gagctcttct gcatgggatg aagcataaat gacaa 175

<210> 6353
<211> 525
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316109c10b1

<400> 6353

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gacgatgagg gccgccgccg cgctgcttgg cgccgtggtg ctgctgtgcg cgctccgtca 120

cggcggggcg cagcggtacg aggccatcta cagcttcggc gactccatct ccgacaccgg 180

caacctctgc gtcggcggct gcccgtcgtg gctcacaacc gggcagtcgc cctatgggga 240

gaccttcttc aagcgcccca ccggccgctg ctccgacggc cgcgtcatcg tcgacttcct 300

cgccgagcac tttgggctgc cgctgctgcc ggcgtccaag gccggcggcg acttcaagaa 360

gggcgccaac atggcgatca tcggcgccac caccatggac ttcggcttct tccagtccat 420

cggcctcagc gacaagatct ggaacaacgg gcccctggac acccagatcc agtggttccg 480

gaagctcctt ccgtccgcct gcggtaagga ctgcaagagg catct 525

<210> 6354
<211> 370
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316109c11b1

<400> 6354

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gacagggcat ctgacggcca agagcgacgt gtacggtttc ggcgtggtgc tgctggagct 180

gctcaccggg cgcaagtcgg tggacaagag ccggccgccg cgggagcaga acctggtgga 240

ctgggcgcgc ccctacctca acgactcccg gcgcctggac cgcgtcatgg accccaacct 300

cgcggggcag tatgccggcg gggtcgtgca gaaggtctcg gccctggcgt acttgaggaa 360

gagccccaac 370

<210> 6355
<211> 324
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316109d03b1

<400> 6355

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cgccggctcg ggggacttcg ccgtcgacct ggactccagc tgccgcatcg tgctgccggc 180

ggggagctac ctcgccaact tcaacgacca cctcaccggc cacctcgacg accgtcgcat 240

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ccgcgcccat ggagacgagc ttgt 324

<210> 6356
<211> 443
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316109d04b1

<400> 6356

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ggcctcgacg cggcgatcga gtcgctcctg aacacggaga agcagtgccg cctcgccgga 120

gatgtggccg gcacccggaa ggccgccgtc gacatcgtcg agctctgctt caaggacgcc 180

gcctggaaga cgctcaatga ccagatcgtc gtcctctcca agcggagggg ccagctcaag 240

caggctatta ctgctgtggt tcagaaagcg atggagtaca ttgacgtgac accagacgtg 300

gagacacgta ttgagcttat caaaacattg agcagcgtcg ctgctggaaa aatatatgtg 360

gagatagaga gagctagatt gatcaaaaga cttgcaaaaa tcaaagagga gcagggaaag 420

attgatgaag ctgctgaaat cat 443

<210> 6357
<211> 405
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316109d06b1

<400> 6357

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ttttcagtgc attgtaaagg atgctctgaa gaatgaacca gaagaagaat tgtacattcc 120

tgacactgtc gatgtggtgg gtggcaaccg cacccaaaga tcatcaggct gctgctaagc 180

catgccacgc catggccgta gcaaccattg aacatgctgt ctttcctgcc tgtataatat 240

catgttattc tgtattccat ttgtgacttg accaatcacc ccttcggtac gaaatcaagg 300

atcgatgatc tgtcctgttc tgtctgtcat cttgtatgtt gtgtagttag ttgagaattg 360

cggcgtgacg aatatttttg tccggacaaa aaaaaaaaga aaggg 405

<210> 6358
<211> 301
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316109d08b1

<400> 6358

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aaggatctca ttcactggct ccaatctcag ttctggggga acaccaacta ctaaatattc 120

tcttttatct gggcatatga gaagttaata tgtaatgata tatactccca tcatggagta 180

gaataaatga catgcaatat gatgcatgca tggttgcgag ctgtgaattt tcatttcctt 240

tctgaatcgt gacaagatat gtttttgtc ggcacaaaaa ctaaaattaa aactaaccca 300

c 301

<210> 6359
<211> 447
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316109d09b1

<400> 6359

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ccccacccag gaaaccagcc atgaaggggg ccaaatccaa gggcgccgtc aaggccgaca 120

ccaagttggc ggtgaagagc aaggggggcgg agaagccggc cgccaagggg aagaagggca 180

aggccggcaa ggaccccaac aagcccaaga gggcgccctc cgccttcttc gtcttcatgg 240

gcgagttccg cgaggagttc aagcagaaga accccaagaa caagtccgtc gccgccgtcg 300

gcaaagcggc cggcgagagg tggaagagct tgagcgaatc ggagaaggcc ccctacgtgg 360

ccaaggccaa caagctcaag ggcgagtaca acaaggccat tgccgcctac aacaagggcg 420

agagtgctgc tgctgctgcc ccaaaaa 447

<210> 6360
<211> 450
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316109d11b1

<400> 6360

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gtcatattct atcacttgtt tgctaaggag ctggcacctc acaagcctct tgctaagttc 120

ttgtgcatca aagggatagt cttcttctct ttctggcagg gctgtgcgtt ggatgttttg 180

gctggtgtag gggttattca atctcaccat ttctggctgg acgtggagca catccaggag 240

gcaatccaga atgtgttgat tatcctggaa atggtcattt tctcagttct ccagcagtac 300

gcgtatcacg ttgctccgta cagtggcgct gacaaggcaa aattcgagaa gaagaatgaa 360

tgacccgcca agcaacataa gcagcttgct cttgtatggc tttgtgtgta tgcgctgggg 420

atatgtcata gacatgagga cttacttatg 450

<210> 6361
<211> 380
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316109d12b1

<400> 6361

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atgttcttcc agaactccca gtactgagcg acgagtgtca gaaatggcaa acgacaccac 120

tagacgtatc tttatgctgt catacgtaat ggtactagga taggcgtaca cacattcgtt 180

tatttgctgg ggggcccatg gatgcacagg gctgcacaga agggtgcccc ttccttaaca 240

cagcggagta aagaaaatat ttagggctgt agcatacaca caagataggt ggttgaagca 300

gttctgcttt gccattgttt cacacttgca cacagaagta tgttgttgaa ttcaaatttt 360

agtaatagca gatatttgtc 380

<210> 6362
<211> 366
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316109e05b1

<400> 6362

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ccggcaaccc ggcgcgcgag cgcaccatga ttcagccagc accgccgacg ctgccggcag 120

accctgaaga gagcgtgacc gaacaactag gcgaaacagg gccctaaggg gcccacggac 180

aaatgcggag gagaacacga cgaaagagga acggaatgca ccgccccgac cgctggggga 240

acaacaggac cgagacgcca gccggacggg gaccaaagaa gaactggagc tccgaggggc 300

agagccgaaa gaggagcccg acgaccaccc aggccaaaac gaggcacagg ccgccgctaa 360

acaacc 366

<210> 6363
<211> 460
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316109e06b1

<400> 6363

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cagcgtcctc cttggttaaa gctgctgtat ttggacgaga cccgaactgg gggcgtattg 120

cttgctctgt cggctattca gggattcatt ttgatgcaga tcaacttgat atttcccttg 180

gagctattcc actaatgaaa aatggccaac cactcccttt tgacagatct gctgctagca 240

agtatctcaa agatgctggt gacatccatg gtacagtgaa cattgatgta tcagttggga 300

atggaggagg cactggaaag gcgtggggct gtgacctaag ttataagtat gtcgaaataa 360

atgctgaata cacaacgtga aattcgtatt ctccatgaaa actgcatttc ttgatacaca 420

ntccgtgtct tcatttgtct gagtgctctt tcgatgcaac 460

<210> 6364
<211> 307
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316109e07b1

<400> 6364

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tctgctctca aatatgtccg agaagccgcg gatgacgggc agaacgccat gctgaaaagc 120

ctcaagctcg tagggcaacc aagcatcttt ggcagatatt acaacatctc ctgaactcat 180

ctgtattttt tcatgtaaac ttctatgctg gagagtgatg gctacttgtt ggttaaaaaa 240

aaaaaataaa cataaaaaaa aaaacaaaaa acacaaaaaa caaaaacata caaaataaat 300

caaaatg 307

<210> 6365
<211> 249
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316109e12b1

<400> 6365

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tggcaggcgt tctatctgtc ctggacaacc tgaatcttgg cctaaactct agtagcagca 120

gtagtgaatg ttgtggctgg ttgcagcctg tttatcattg ttatggaatg gacggaaagc 180

agggttgatg tggtggtcaa ataaaaaaaa attaaaatac aaatcaatac tattaattta 240

tttactaaa 249

<210> 6366
<211> 209
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316109f03b1

<400> 6366

tgctaatcag agtggtgtcg atcggacatg gagcggctta attctcatca tgggctgcat 60

gtctaactat ccgcttagac ttattattcc gccagatact gagtctattt tgctccatag 120

aaaatttctt ctgttgagcc tggctatgga gaaagatgac cttattggcc cgactccctt 180

tgctggctaa gaacttcccc tgcccaatc 209

<210> 6367
<211> 338
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316109f07b1

<400> 6367

tgttacgcgt ccgatcgccg tcatcggcgg cacagggaag tacgagaccg ccaagggctt 60

cgccgccatc cgcacactgc accccggcga ccagcacgcc accgacggcg tcgacagcct 120

cctccagttc gatattcacc tctcctgagc tgagctgctt ccctaactag tggtatcaga 180

ttatatgatg ctctgccgtc gcgctgaaca tttgaaatct gaattttacg gcctatgcat 240

tttactacca taacacctcc tatatggtaa tgcaaactaa gtacctggtg tattttatgc 300

attattttat gaaaaaaact taggtttttt aatgcctt 338

<210> 6368
<211> 352
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316109f09b1

<400> 6368

tttctccttt ccccaaccca aaccaggagc gccctccctc ccccagccgc ccgccccctc 60

cccacccagg aaaccagcca tgaaggggggc caaatccaag ggcgccgtca aggccgacac 120

caagttggcg gcgaagagca agggggcgga gaagccggcc gccaagggga agaagggcaa 180

ggccggcaag gaccccaaca agcccaagag ggcgccctcc gccttcttag tattcatggg 240

cgagttccgc gaggagttca agcagaagaa cccccagaac aagtccgttg gcgacgtcgg 300

caaagcggac cgtgagaggt ggaagaactt gagcgaattc gacaaaggcc cc 352

<210> 6369
<211> 291
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316109g02b1

<400> 6369

ccctgcatgg atgcggacgc acagggcgaa ggcataaagg ctttggccgg acacccaaaa 60

aacggggtga ccacgggcaa tccggcccgg gggtcacaca agaattaagc aagaaccgtg 120

aaggtgttgg gtgagacctt agaaggtcgg gtgccgacca acgggggaaa caagggccct 180

ccggggccat ggttctttgg ggaggaagcc ctgaccaaag agaaaccgga tggcccgctt 240

ccgttggttg gtgaaacacc gaaccgcgag aggaagctgg acgggaccaa a 291

<210> 6370
<211> 196
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316109g03b1

<400> 6370

cttttcgctc ctctcctctc ctgccgcact ccacggctgc acgcctgcac acgtacaaga 60

gaaccccaag cgtcaggccc caagtggact gggctctccc atcggatcca agccgaatat 120

gtcgtcgtct gtctgaagtg gagggggagg cggcgcggat ttggcctgag gggacctctc 180

tgtgcttgtg cacaag 196

<210> 6371
<211> 72
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316109g04b1

<400> 6371

ttttctcgtc cgcccacgcg tccgcccacg cgtccgccca cgcgtccgcc cacgcgtccg 60

tctagatcgc ga 72

<210> 6372
<211> 387
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316109g06b1

<400> 6372

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ctgcgcgtgc ttgctgaagg ggataaaaac aggcaaaatc ctaatacatc gtgttggaga 120

caacggacaa caactcatat acaacaagct gcccagtgat attgctgaac ggcatgttct 180

acttatggat cctgtgctcg gtactggtaa ctcagcaaat caagctatac agcttcttag 240

aagtacagga gttccagagg accacatcat gtttcttaat cttatctcgg ctcctgaagg 300

aatccattgt gtctgcaagc gattccctga tgtgaagatc gtaacatcgg agatcgacgc 360

cggatttgac caggattacc gtgtcgt 387

<210> 6373
<211> 380
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316109g10b1

<400> 6373

atcccccaag caccagagcc tcctcaacct cccggcgccg gcgcatcgac ggcatggccc 60

gcaccaagca gacggcgagg aagtccaccg gcggcaaggc gccgaggaag cagctggcga 120

ccaaggccgc ccgcaagtcc gccccggcca ccggcggcgt gaagaagccc caccgcttcc 180

gtcccggcac cgtcgcgctc cgggagatcc gcaagtacca gaagagcacc gagctgctca 240

tccgcaagct gcccttccag cggctggtga gggagatcgc gcaagacttc aagaccgacc 300

tccgcttaca gtcctccgcc gtctccgccc tgcaggaggc cgccgaggcc tacctcgtgg 360

gccttttcga ggacaccaac 380

<210> 6374
<211> 51
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316109h03b1

<400> 6374

tcggtttctc gtccgcccac gcgtccggcc acgcgtccgt ctagatcgcg a 51

<210> 6375
<211> 332
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316109h04b1

<400> 6375

cttctagcca gcttggttca gtggagttct gtctctgacg attcgatttc ggtaccgcga 60

cggctccgaa atggagagcg actgccagtt cctgctggcg ccgccgccgc gcatgtacgc 120

cgcgccgggg gacgacggcc tgttgctgcc ttgtctagct ggttgatccg gaccatgtag 180

atcatcaggt cgatcggacc gtcatgtaga atcgtagaac agataggtag gatcccacat 240

gcaagcagcc acgaaatcta catgcgagaa atcttcccgc cggccggccg gcgatctgct 300

tcgtcgactc anaccangaa tgtgaaaacc ct 332

<210> 6376
<211> 284
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316110a01b1

<400> 6376

cctgatgggg gagtgcttag cgaaggccat cgagcgccac tgaaaacctc cctctatctc 60

gtctcggctc gcctaggcca ctagcccgtc cgtccgtccg gctgacgatg ccgccgatgg 120

cgaccacgac ggcgacggcg acggcgactg acttcacggg gcgccgcttc gccttggcct 180

gcggcgtgct cagccagtac gtcaaggcgt ccggcgtcca ggaacccggc tatcaggcgg 240

acggggcgca ctgaaatggg gagcttgtac acacggaggg taag 284

<210> 6377
<211> 222
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316110a03b1

<400> 6377

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ctgtctgtcg tttaattact gtatttctat tcctgcgtcg gctaaactcc tgtgcccctg 120

agactgattt gttgtgaaat gcaagttatt agattgcaac ttgttagctt gtttttcaaa 180

atananaacc aacttaaccc ttatttcatc cctaacaatg ac 222

<210> 6378
<211> 471
<212> DNA

<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316110a05b1

<400> 6378

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cactgaacct taagggcctg tttgatcata cattcaattt gtatagagaa atcatgtgtt 120

cttcgtgtgg tgcaaccaaa ctactattac tgactaaaaa aaaaaatgcc cacctaaaac 180

cactggaaga acactcagca atgtaaagaa aaaataaaca gtcactaaaa gaaaaaccgt 240

tgcttaatga ggaaaaatat taaagaggag attgattaca caaggcctaa acattggggg 300

gggccctttt ttaaaaacca aatttctggc accagccttg gggtacccaa attttttttt 360

tttggaccac aaaattaatt ttccggccgg ggtttttcaa cctgggggcg gggaaaaccc 420

ccgttccacc acacataata tctttttaaa aaaatcccct ttttgcgggg g 471

<210> 6379
<211> 109
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316110b03b1

<400> 6379

gngtgattcg cttagccatg gcaatcgtga aatgggtgtg gttaaaaaac aaagacacaa 60

aaaacaaaac ccaaaagaga aaaaccccac acaaaaaacg aaaccatgg 109

<210> 6380
<211> 378
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316110b04b1

<400> 6380

gctaattacc ttgacagaca ttgttaggtc ttgtgttagt gaagctagct aggtaagaaa 60

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ctgtccggcg cctcgtgttc tcgccactga ccccacccag ctccaagact tctgcgttgc 180

tgatataatg aaccctgtga ttgtgaatgg gttcgtgtgc aagaacatga agatggtgac 240

ggggaacgac tacttcttgt ccgggcttaa caagccggcc atgtttaacg cttatgcctc 300

cgccgtgaca cctgcgacgg cgcgacattt gccgtcccct gatcactctg ctcatttcca 360

tgttcctcat tgactttg 378

<210> 6381
<211> 414
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316110b05b1

<400> 6381

gtgttatact cgggggggcac gcgttggtcg gacacccagg gttagcgttg cacactctag 60

gggaggtgtg actggcaatt tggggaggcc aaaactacat caatggcccg cgaggtacaa 120

acggcggtaa ttggaaaatc cctgggggga acccaaaata aaggggggtgg gggttataaa 180

gtatccaacc ttgtgaccac atccatacga ggccttaact cttctatggt gcaaacaaaa 240

atcaaaccct tgggcgcaaa tttacaacac cggaactggg aaaccccagg cgtaacccag 300

cttattgccc tttgaaaaca acccccttg ggaaaatgcc gtagtaccaa acaggcccgt 360

cccgatgcac ttcccccttt ttccgcagct tgaataccaa aggggacccc cccc 414

<210> 6382
<211> 262
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316110b06b1

<400> 6382

agacaacagc taaattattc acccaaaagt atcaaccgac ggcttaacaa aggggaggca 60

cacgcacacc ccgttacccc agttatattc agcactccat tttaccgact aacaataaca 120

gcgcaccagc actatatccc catgtccaac gcgctggtac agattactta ctgtatgaca 180

cagatttatt ggcaccacaa gggggtatgg gattgcatta actcttggcg atgtctgggc 240

aggctggggc ttccttcttt tt 262

<210> 6383

<211> 433
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316110b08b1

<400> 6383

ccttgcgtcc ggacggtttg cgctcgcgga tgccatggct gtgaaggagg cggtgtgtac 60

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gtttgtcgat gccatgctca gtatcgacat tgagcatttg gacaacatga acaagagcat 180

ggagcatggg ttcctcggct tccgtaacac catcaactcc ttcaatgctt ggatcgataa 240

gatgaaggct tccaaggttg ttccttgatg cttttattgc cttgtatcta ttggtgggta 300

cagcatgcta tcgcatccca tgttattcct catttatcaa tttatttctg aaattagtta 360

catcccatta tttgtgccaa atgttgtaat ctagaataag ccagaaccaa ataatgcttc 420

tcaagttgtg aat 433

<210> 6384
<211> 223
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316110b12b1

<400> 6384

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aaacagctat gagctagtat gaacgttctt aggtgtagct tgagttgttg caagctttgt 120

tgcgtaattt gctgctattg gtttttgcag actaaataaa acaatgatcg aacattatat 180

cttcatgacc aaaaaactga accataaaaa aaacgggtct gcc 223

<210> 6385
<211> 315
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316110c02b1

<400> 6385

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taactattta tcttctccaa ttgaatctct cgtttccaag ggtgttcctt gtgtgaaaaa 120

aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaac agaaaaacaa aactaaaaaa 180

aaaaaaaaga gggactaaac cgtaaagcaa ccctgacagg gaccacagaa gaactcgcgc 240

ttagtttggc taaaagtgaa acaaaatgta gttgactggt ggtctatgcc tagcactggg 300

cgtggaaaaa ccccg 315

<210> 6386
<211> 385
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316110c03b1

<400> 6386

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gacccatgac acacacacac atacaacgcc agggtcttat tctgcactgt gcagagagaa 120

gagcagagag cagaggatgc gcatagtaat gccacatgaa cggtgagggc tccttggtgt 180

gagaagatgg cgctaaagac ggggccgggg ccggtgtgag aggacatgaa catgcaccat 240

cacatcgagc gacagggtga caaggactgg cggacgctga cgaagcaggc cggtctgatg 300

tgctgagcaa ggagctgtcg catgcggtag atgatgtacc tgttcacgga tatcatgcgc 360

ggacacgtgc cagcgaggag gatga 385

<210> 6387
<211> 361
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316110c04b1

<400> 6387

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tcgtgagcag tactactgca aggatcttgg tacgtgctag accacatcct caccctttat 180

ttcttgtttg gacggcttaa gacgcgtata cgcatgccga acgtttattc tacataagtc 240

atgcatgttc tctgcatgcc catctcgatc aggcgcaaag cacctagcaa gtgaggctgc 300

tccccgggtc gacgccgaac tgcctgcagt aggccctgta gtagcccgcc cgggcgttca 360

t 361

<210> 6388
<211> 291
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316110c06b1

<400> 6388

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ttacggtggc aacacaaggc tgtacgtggg cagtcttccc tcgcgcaccc gcacaaggga 120

cctcgaagac ctgttcggaa gatatgggag agtgcgacat gtgtgtatga actacgtggt 180

tgcattagca gcgtgttagt gaacgcagag atgctcggga acgaaggaac aactgggact 240

gcctgtggca taactgaaag aggatcttgt tgacacgagg cctaagcttg g 291

<210> 6389
<211> 375
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316110c08b1

<400> 6389

gataaccttg gatgtgccac tggccacccc agcttcgtca tgtcctgctc attcactaac 60

caggttattg ctcagcttga gttgtggaac gagaaggcca ccggcaagta cgagaagaag 120

gtgtacgtcc tccccaagca cctcgacgag aaggtcgcgg ccctccactc gggcaagctc 180

ggcgccaggc ttaccaagct caccaagtcc cagtctgact acattagcat cccagttgag 240

ggaccttaca agcctgcggc ctaccggtac tagttgtgtc agcgcgacta gcggctggcc 300

tgagcctgag tccgtgcagt ggcaccaatg ggaaccctat caactatcct cgtttcttta 360

cattatctaa catgc 375

<210> 6390
<211> 126
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316110c09b1

<400> 6390

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cgtggccgcg ctgctcctgg cggagtcgga aatgacgccc gagcagaagg cgaaggcgac 120

cgagaa 126

<210> 6391
<211> 251
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316110c10b1

<400> 6391

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ggtttgtgga atagtaagta acctgatgtt acctgaagtg gataagtata tgtgcagatg 120

gttcctgtat aagatctgct tcttgcatat cagcttgagt tgttcttggc tcaagaatgg 180

cctagagcag tagatcttca tggcactgaa atcgacgatg ttcttatttt attaatgctg 240

gccagaacat c 251

<210> 6392
<211> 215
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316110d03b1

<400> 6392

gcctgtagct gttcgagaga ggagaaaagg gaggcgactc gaggtgcgag ttggggctca 60

gcccattccc gggcgctcgc cgccggcgtt gccggttgga gagaagatgg gggaggcgcc 120

cgcagctgcc gtgaacatac tagttgtagt agcgctgttt ccttagtgga gtttgccttt 180

atgccggatc tcggagtgat gacgatgggg attgg 215

<210> 6393
<211> 539
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316110d04b1

<400> 6393

ttttccgca ctagagggtg ttcatggcgt gtgtggcatg tcaaatgatg aattcaagct 60

ttgccagcct gcggcggcag tggataaccc gacagagaat ccgtcggctg agtgttgtgc 120

tgcgcttggg aaggccaatc tatcatgcat ttgccgctac aaaggtatcg ctggcatatg 180

gctgagaatg taccacatcg acgcaaagcg cgccatggct ctgcccggca agtgtggtct 240

caccatgccc aacaactgct catgatcatt ggatgtacta ctcatgagct gatgagcatc 300

taggagtcgg ttgttctaca tctgcatcga cacttatata tggctaaata agtggaggag 360

cacttgaaaa agcattgtgc tcctcggtct tattggtggt gtggaattcg aaaggtgtga 420

ttattccatt aagcttttga taaaatagta tatgcctgtt attctagaag ggtgaggatg 480

gcaaaccgtg ccttgcatgt tggtccatga aaattaatat cttaatatgg tgcgggtcg 539

<210> 6394
<211> 158
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316110d05b1

<400> 6394

cacttttttct tccaacttcc tctaattatc gtaaatagat aatttcttca cttgcattta 60

ctgtacaaca attctacctc gtatttatat gtatacaaat aaataattaa tttccttaaa 120

caaaaaatcc aattaaaaaa atatcatcac aataaatt 158

<210> 6395
<211> 279
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316110d08b1

<400> 6395

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ccagcgcgca ggctacatgg gaggaggcat gggacggggc accgggctgt acatctgggg 120

ctgcgagtgg ctctgcgagc tgctcatctt gttcgtcgtc ttctcctgct agataccttg 180

gtttattgct catatacatg catacttcca tcttatttgc attagtgtga gagacaggga 240

gcgtgtcagt gatcttttag gcgaggatgg ccgggaggg 279

<210> 6396
<211> 60
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316110d10b1

<400> 6396

ttcacgcgtc cgcccacgcg tccgcccacg cgtccgccca cgcgtccggt tctagatcgc 60

<210> 6397
<211> 83
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316110d12b1

<400> 6397

tcttcatcgt ccgcggaccc cccttaaacc tctccccctt gtaaccatta ttatcggttc 60

aagaaagttg cttctctttc tgc 83

<210> 6398
<211> 236
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316110e01b1

<400> 6398

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ccccaccact ttcggccaac gctcctccag ccagatgaga ccggcagcgg ggacctaccc 120

caggccattc ggcgtgcgca actccggagc ccccgccgac tgggcccctc cggccggctc 180

catgcacggc tactacgccg cgcaggccgc ctactccggc gggtacgaca agatgc 236

<210> 6399
<211> 409
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316110e03b1

<400> 6399

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tcctgtgggt gaagatatgt tccactggca ggcaacaata atgggcccat ctgacagccc 120

atattctggt ggagttttcc tagttactat ccacttccct cctgattatc ctttcaaacc 180

accaaaggtg gcattccgca ccaaggtgtt ccatccaaac attaacagca acgggagcat 240

ttgtctggac atcctcaagg accaatggag ccccgctctg actaattcca aggtgcctgc 300

tgtccatctg ctacctggtt ggggacccaa accctgatga ccctctggtt cctgagatcg 360

cccacatgta caagacggac cggcacaagt acgagagcac ccgcaggac 409

<210> 6400
<211> 427
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316110e04b1

<400> 6400

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caggaagatg cagatcttcg tcaagaccct cacggggaag accatcaccc tcgaggtcga 120

gagcagcgac accgtcgaca acgtcaaggc caaaatccag gacaaggaag ggattcctcc 180

ggaccagcag cgtttgatat ttgctggcaa gcagttggag gatggacgca cgcttgctga 240

ctacaacatt cagaaggagt cgactcttca cttggtcctc aggctcaggg gcggcacgat 300

gatcaaggtc aagactctca ctgggaagga gatcgaaatc gacattgagc ccaccgacac 360

gattgacagg atcaaggagc gcgttgagga gaaagaaggc attccttctg tgcagcaaag 420

gctgatt 427

<210> 6401
<211> 223
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316110e05b1

<400> 6401

cccatgcgtc cgcaatcaat caatcccacc tactccacct ctcgccggag ccccagcaag 60

gagcaagcaa ggaagatgga cgccggcaag ctgaagaagg tggccgggaa gaagttcggc 120

gggccgagga agaagtcggt gaccaggtcc gtcaaggccg ggctccagtt ccccgtcggc 180

cgtattggtc gcttccttaa gaagggccgt tacgcccagt gcg 223

<210> 6402
<211> 107
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316110e07b1

<400> 6402

tttcacctac ctgactgaat tcaagtgtca tattgtgaag tgatggcaga aggcctctat 60

gggtctatgg gtgcacccat ccaacaaatt aatagagatg ggaactg 107

<210> 6403
<211> 251
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316110e09b1

<400> 6403

ggtgaagttc aaggaagcca tggtaaggat gggcgctatc gaagtcaaga ccagggacga 60

ttttttcaat ggtgccgctg ttgagatcag gaggaattgt cgcatcgtca actcatacta 120

aacttgttga tcttatcgca tcatcgctag tttttcaaca gtagattgag aataagctcg 180

tgctttctcg ggtttccatt gatgtttatt ttgattactt ttgtaatgtt attatttttt 240

ccctataata a 251

<210> 6404
<211> 259
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316110f02b1

<400> 6404

cggtctcgtg ggcggacgcg tgggcggacg cgtgggcagc taccctggct gggtcactct 60

tcacattgca ctgctcccag atccatatcg acatgcccac gctgtctgat gaggataaag 120

atgttatgaa aaaatggggt gctccaaaca agattgactt cctctctctt tcttatacaa 180

ggcacgcaga agatgtgcgg caagcacggg agttcctctc ttagttaggt gaacctagcc 240

aaactctgaa ttttgccaa 259

<210> 6405
<211> 575
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316110f05b1

<400> 6405

ctcatgcgtc cgcggacgcg tgggggatgc tctgggtcct ttcagaccaa taaaaaaaaa 60

ataaaaaaat aaaaaaaaaa aaaataaaaa aaaaaataaa atatttttt attaattatt 120

tattatataa ttattaaatt tattataata atttttttat tttataattt aatatatttt 180

atttttttta tatttttttt ttcatcttta ttttttttt ttttttttctt tatattatta 240

ttttatttat atttatttt ttttttttat catatttttc tttttttact ttattttata 300

tatttttta ttttttttt attcattata ttttattatt tatttttaat tatctatctt 360

tttatttaat ttatttttt atttataaat tcttttttc tttatatttt atttattata 420

ttttttataa taatttttc ttatattttt ttttttttt ttattattat ttttactttt 480

ttattttaaa ttttatattt atttttttt ttttttttt ttttatttt tttttattat 540

tttatttatt tcttatattt ttttttatat tttta 575

<210> 6406
<211> 433
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316110f12b1

<400> 6406

tttatgcagt cgccgtcgat gccgacgacc ccggccacgc ctttgacgcc gtcgtcgtcg 60

acgcccccgc gcggcggcag cgtgtggcgg agcgttttcc accccgggag caacctggcc 120

accataagcc ttggcgccaa ccttttttgac cgcccgcagc ccaacttccc caccgtctac 180

gactggcttt acagcgacga gaccaggacc aggagcaacc accgttaaat aagagccgtc 240

ggccgaagaa gaagagaggg tgctcatcat cttctgcgac gctcgccatg tttgctgctc 300

ttttggttat ctaatcctgc atagcgtacg ttgcctgtcg aggctgtatg tgggttgtct 360

tgagcttcgt actactggct acttgtgctt gtaacttttt ttttttttcc cggtctgctc 420

actgtcatgc ttt 433

<210> 6407
<211> 377
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316110g03b1

<400> 6407

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caagggccac gtcgtcacca agcgcgagct gccgcctcgc ccgtccgacc gcaaggggaa 180

aggtacaaag agggtgcatt ttgtcaggaa cttgatcagg gaggttgctg gatttgctcc 240

ctatgagaag cgtatcactg agcttcttaa ggttggaaag gacaagcgtg cactcaaggt 300

cgccaagaga aagcttggta ctcacaagag agcaaagaag aagagagagg agatgtcaag 360

tgtccctagg aagatga 377

<210> 6408
<211> 341
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316110g07b1

<400> 6408

gatacccaaa ccctaccgag ctcctcctcc ccccatcccc tcgttgcggc ggcgacagag 60

aggagagaga gagagagaga tggcgaagtc tctgcggtcc aagcgggaga agcggctgcg 120

gacgctccgg cgggagatcg cggagccctt ctacgacaag aaggaggccg ccaagcaggc 180

cgcgcaggcc gccgccctcg aggcccccaa gcttcccgtc cgcgtgcacc cgatgtacga 240

ggagtgcctt ggcgacgccg ctgccgccga cgtcagccgg gcctcggcct tgaggttgat 300

ggaggaagca agaagtctgc attcttcctg tagccaatgg g 341

<210> 6409
<211> 262
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316110g09b1

<400> 6409

ccctcgcgtc cgcatggcgg cgaggagcga gaacgagtcg gacggcgacg tgggcaccaa 60

ccccgccgag gggggctcgt gcctgtccct gccgcctcta gctgccggtc cagccgtgtg 120

cgtcctccgg tccgccgggg acttcgccgg cggggccttt gtcggatcta tttttggata 180

tggacaaggg ttggtatcta agaagggttt gaagggctta cttggcaatg cagggttttt 240

ttggcaaagg tttgcaggta tt 262

<210> 6410
<211> 382
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316110g10b1

<400> 6410

ctttctcgcc ctccccgcc cgccaccggc agccatggcg acggagctgg cctacgcgcc 60

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catcaccctc tcctccaagt ccgtcaagaa cctcgagaag gtgtgctcgg atctggtgaa 180

gggcgccaag gagaagcagc tcaaggtcaa gggccccgtc cggatgccca ccaaggtgct 240

caacatcacc accaggaagt ccccctgcgg agaaggtacc aacacctggg atcggtttga 300

gatgcgggtg cacaagaagg tgatcgacct cgtcagctcc ccggacgtag tcaagcagat 360

cacctccatc accatcgagc cc 382

<210> 6411
<211> 252
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316110h01b1

<400> 6411

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taatatcact gtactggaac atggttaggt gtttatggtg tgctggaaat gctgcatgtt 180

gttggcattg ttccatttga gtctcggatg atgtcgcttg ttgcttattt gttttcagtt 240

agtggggtcc tt 252

<210> 6412
<211> 177
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316110h03b1

<400> 6412

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ctggtgtgaa ttgcagaatc ccgcgaacca tcgagtcttt gaacgcaagt tgcgcccgag 120

gccactcggc cgagggcacg cctgcctggg tgtcacgcaa cctgattgtt tgttctc 177

<210> 6413
<211> 498
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316110h04b1

<400> 6413

aattttctcc tccccatccc ctccatccct cgaaccatcc gtccgtcggc catggccacc 60

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agctccggaa tccagggcat caacagtctc agcttcagca acaaatcatg gatcggcacc 180

gcattggcgt gcgacagcaa ggccgcggca cattcgaggc atctctgcag ggcggtccag 240

cagtcgagca agagcaaggt cttcgtcgcg ccccttgacc tggagagcgc caaggagccg 300

ccgctcaaca cctacaagcc caaggggcct tacacggcca ccattgtctc ggttgagcgg 360

gcggtaggcc ctaacgcccc aggagagacg tgccacgtcg tcatcgacca tggtggcaat 420

gtgccgtact gtgaggggca gagctatggg attatgtctc cgggagagaa cccaaagaag 480

cctggaaacc cacagaat 498

<210> 6414
<211> 132
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316110h09b1

<400> 6414

tgataagatg caatcatcaa gccgctcttc aggaggcgat gcctggtgga atgcccggtg 60

gcttcccatt cccaggaggc atgggtggaa tgcctggtgg cttccccgga ggaatggggg 120

gtgtgcttcc ct 132

<210> 6415
<211> 551
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316110h10b1

<400> 6415

ctttacccct cccatggccg cccccagttc ctgggcctcc ccgttccacg aaaagagagc 60

ttagcgctac caagccctcc gttctttcca gttctcggct gctttctccg tcccggtcat 120

caatcttcgt cgagcagaga gaggaaggag gtcgtcagat tcgcgcgaga tccatgggga 180

agtacgtgga gctgctggat atgggggtgc gcatcgccgc gcggttccac tcccactgcc 240

ctcagacggc ccggatgtac taccaccctc ccgcttcctc ctcggccgcc cccggcgccg 300

tcgacggcgg cgggatggtg cccggagaag gcgccgtggc catggccatg atgaagaggc 360

agcagcgggc cgccatcgac gccacggaga ttattctcta caccgtcgtc taggccggtt 420

gcttctgagc tcgtccggat ttatcgcgcc attgaagaga gaggagaggt gttatcttct 480

tttattgcac ttactgtcta cttccgatcg agagagggaa atgaaagatg ggagacaatg 540

tttgattgat t 551

<210> 6416
<211> 335
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316110h12b1

<400> 6416

tggtctcgtg ggttgggaca caagcggata aggaggatgt gttagcacac attcaagagg 60

agccgctggg atgagatgtt cgagtacatc aaccgcgcca gatataggat actcgagact 120

tatattgcct gctggattaa ataagtggtg tgttgtaacc caccaccatc aagtcattct 180

gcgctatata atgtcaagat caatcaagat ttgggtatga tgctcatgta aatcttgtga 240

tttgttctga cattactttt ctggcttgta tggatgataa ttgtatgcgt gagctggttg 300

tacctatgat tgcgtgatga tatataacta aaatt 335

<210> 6417
<211> 454
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316113a03b1

<400> 6417

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aaagcatcta tgggagcaat tatattagag gtcaaacacc gctccgtttg cctcggacaa 180

gggatgttga tgcaaacgga attaatgtga aggttaagta ttgtgacacc tgcttgcttt 240

accgaccgcc ttgatgctca cactgttcta tttgcaataa ctgcgttgaa cggtttgatc 300

atcattgccc atgggttggc caatgcattg agcagcgtaa ttatcggatc ttctacatga 360

ttgtattctc caccatgtta atctgccttt acgtaatcgc cttctgttgt gtgtacataa 420

ataagaatag tgatgctgag cagttgtcaa ttgg 454

<210> 6418
<211> 275
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316113a09b1

<400> 6418

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ctaagtaatt atctgtgtaa taatgtccgc tggcttgagg ccataccttg tactctgtca 180

gtggtttgtg tgccgttgca ctcgatcgcc tttatgccac acatctatcg aatgaaatgc 240

agtagtgact tttcatggtg aaaagcttga tgaca 275

<210> 6419
<211> 505
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316113a11b1

<400> 6419

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cacgcgtccg cccacgcgtc cgcggacgcg tgggtgcctc tgttcagccg tacctgcatg 120

agtcccggca ccagcacgcg atgaagcggg ctcggggaac aggcgggcgg ttcctcaacg 180

caaaggagaa gtctgaagct tcaggcggag gcaatgcatc agcgaggtct ggccacgccg 240

gcgttccccc ggatggcggc atgttctcga agcacgacca caccttacca tccggtgact 300

tccattaccg cgcgagaggg ggcgcctagg gtgggcacgc agttgccccc tggcaaatca 360

tccttggctt atgcgtgtgg cgaatgaccg tcaactcggt ccagtgatat tgtacaattg 420

aatttagagt ctgtgcaatt gtgttacttg cgggtttgga agacaggcct tgcttttggg 480

gaggggacga tgcagctgca gctgc 505

<210> 6420
<211> 549
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316113b02b1

<400> 6420

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gccggacgcc atggctccca ccaagaagtc gaagaagagc acggagaaca tcaacaacaa 120

gctgcagctg gtgatgaaga gcggcaagta cacgctcggc tacaagaccg tcctcaagac 180

gctccggagc tccaagggga agttgattat cctcgcaaac aactgccctc cgctcaggaa 240

gtctgagatc gagtactatg ctatgctgtc caagatcagc gttcatcatt tccatggaaa 300

caatgttgac cttggaactg cctgcggcaa gtactaccgg gtctgctgtt tgagcattct 360

tgaccctggt gactcggaca tcatcaccac cgttcctcag tgaagacaag cttacctatc 420

ctagcctaag atgatgtagt gtggagagtc gtgcttacaa ggccgatggc cgtctcgtta 480

tcgagccaga gctgccaaac gcagtttcaa ccaaacatgg ctgtttttgt aggcaatcct 540

atgggtttt 549

<210> 6421
<211> 533
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316113b03b1

<400> 6421

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gcgacgccct ctacacctac atcctcgaca ccaccgtctt cccccgtgag cacgagtgca 180

tgcgcgacct gcgcctcatc accgacaagc acccatgggg ctacatgcag tcgtcgtcgg 240

acgaggcaca gctgctgggg atgctgatca agatggcggg cgccaagaag acgatcgagg 300

tgggcgtgtt cacgggctac tcgctgctgg ccaccgcgct ggcgctcccg gaggacggca 360

aggtggtggc catcgacacc gaccgcgagt gctacgaggt gggccgcccc ttcatcgaga 420

aggccggcat ggcgcacaag gtggactttc gcgagggcac cggcctggcg cgcctggacg 480

agctgctcgt cgaggacgag ggcgcggcca gctacgactt cgcgttcgtg gac 533

<210> 6422
<211> 374
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316113b04b1

<400> 6422

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tgaaggcaag aggatcatcc tcaactttgc gagatacgtc gaggagtttg agaagcagac 120

ctccgagggg aagtagatga ttcaggaatc agagcagtta gaggaagtag agactattgt 180

tgagagatca ggcaggcagg aaggggccta aaagccaagc agattcagag aggaataagg 240

gaacagagct ttccgttgcc attcgtttgg ttcattgtaa tatatcattg tggatggaga 300

tcccgtatga acttcattcg gtcagttatg tgcgtcgtgg tgctcttcct caaataataa 360

atcggtggaa gctg 374

<210> 6423
<211> 393
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316113b05b1

<400> 6423

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ccagacacac cacacgccac cgattaccat tcttgcgggg ctcggcggag ggtgtaagaa 120

tgggctgctt gtagtgcacg cgcgggccgt tgatcggcag gggctcctcg gccacggaga 180

agatcgccgt caaccgtcgg accgggggggg aactagcggg caagagagtg gccgccgatc 240

gggacgccga gctgaggggc gagcggggca tcctccgagg actaagatcg ccggacgtcg 300

agcgctgcct ggacacgcag gacaggagcg gaggacttct caacatgata atggagaacg 360

cgttcggagg ctcgctgtcg gacgagatca ggc 393

<210> 6424
<211> 475
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316113b06b1

<400> 6424

caggaggcct cagatgaaga agccttcatc aagtagttct ggaatggaat ccacagacga 60

tgatcatgat gctgacttct ctcagcgcag gtccgggcaa agggggtcta ggcagcatgc 120

ttctaggcca gaagcatcac ctttggactt tggcattcgt ccacagtcca aaattgaccc 180

cgaacagata cgggctcgtg ctaagcaaca ggtacaagac cagcgccggc tgaagatgaa 240

caagaaactg cagcggctga aagcgccaaa gaagaaaaac ctccaggctt caaagcttag 300

tgttgaaggc cgtgggatgg tcaagtactt gtaagctaga cacccccgac agccttgcga 360

tgcatatgat ggtgtgcgct cagcagtggg ctgctgaagc agtatcaagc actcttccac 420

cattgccatc ggagggcaac aagatcggtg gaaatggaat tgcttggctg atata 475

<210> 6425
<211> 492
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316113b08b1

<400> 6425

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aagatggcga gggagaggaa cctcgagaag ctgaagggcg gcaaggggag ccagctcgag 120

gccaacaaga aggccatgaa catccagtgc aagatatgca tgcagacttt catctgcacc 180

acctctgaag caaagtgcaa ggagcacgcc gaggcgaagc atccgaagag cgacctcgtc 240

cagtgcttcc cccacctcaa gccgtgatat ctgccaaatc ggacggagag agagataaaa 300

gagagagaga gaagctgccg taatccacct agtattatca tgttccgcaa tgactggttg 360

ttgacctaag catgggtctg aactctggtg tgctgctgtc ccagctgctt tggttgtgtg 420

cccatctact atgtaatcgt cctctatcag cctgttgtgc tacaatatct aaatctgtgt 480

ggatttgctc ct 492

<210> 6426
<211> 433
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316113c03b1

<400> 6426

acgactatca cccacagccc ggatccagat cttgttctag tagcaacctt cttctgcgtc 60

ggccgctcac agggaaggga aggactccac cgtcgagccg attttcggag cggatcgttc 120

gtcggtcatc aggcgatggc tcgcgcggcg aacgttgacg cgcccgctgc cggcgcggcg 180

cagggcgggg cgaggaaggc ggaggggttg gcggcccggg ccggcgacgg caggagggtc 240

gaccaggccg tggcgtacct gcttatggcc gtcgcgctcg gcgtcaccta cctcgtgcac 300

tgatcggtcg atcggtcgac ggacgacagt cggcagctag gagaattcat gttcgtgtgg 360

cctcatcttt gtgtagatct ttagcgagga aaagaaaagg gattctatta cttttggatc 420

tctgaagcta gtt 433

<210> 6427
<211> 534
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316113c04b1

<400> 6427

agcatatcca atagagaaga gagaggcgca ccggcccttt ccaggccacc tggccctctt 60

gccctcgagt tcagctcgga tgaacgatga tgtgaggaag cagcaagaga agcaaaaggg 120

aagaggaggc ggaggtggaa gcggaggagg aaggctggcg aggatgctgc gggagcacag 180

ggccaggctc tacatcatcc ggcgctgcgt cgtcatgctg ctctgccacc atgactgatg 240

ctcgctccac cgatcgatgt ttacctgcga ccctggcccc tgctacatcg tctctgcctg 300

ctactctgtc cggccaccat gtatctaggt taggtattgt ggtttcgatc ttggttttgc 360

ttgtgcaggc tcgacagatt aactccttgg tgtacatata ggcaggggat gtaggtagtt 420

gttttctgaa ttctgacggn tactctgggt ttcgaggttt ggtgggagtg tggcgtggtg 480

ctcccaagtc ctgcaatggc gaggatgcac atgtatcgat ctgttctggg tact 534

<210> 6428
<211> 453
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316113c05b1

<400> 6428

cccactcgtc cgcggacgcg tgggcacaca cacacacaca cacacacgca ctcagagaga 60

gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga 120

gagagagagg agaagaagaa gaagaagaag aagatgggtc agagcccctt gatccggctg 180

ccggaggagg agcaagttca gctacttgta acgacccatg gcagcaatag gaaggaacag 240

cttggcgagt ctacataagc tacaaataga tactacaaaa actcaagcaa ggacgatcta 300

gttttgaggg cgacactaga ctgaatcact agaatgggat gaaatcttga tcaagtgaca 360

aaaggaacat acaattaccg gtgattgcgc gaatgtcacc ttctgtgcac tttatagttg 420

gaagatgatg cacttgccta gcttgaatat ata 453

<210> 6429
<211> 458
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316113c06b1

<400> 6429

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tccaccagtc cgccatcaag tccgacggct accgcagcct caacgagaac gacgccgtcg 180

agttcgagat aatcaccggc gacgacggac gcaccaaggc ctccgacgtc accgcaccag 240

gaggaggggc gctctccggc ggctcccgcc ctggcgaagg cggtggtgac cgcgggggcc 300

gcggcggcta tggaggcggc ggcggtggct acggcggtgg cggtggtggc tacggaggcg 360

gtggtggcgg ctacggcggc ggtggtggcg gctacggtgg cagtggctat ggaggcggca 420

gtggcggtag ccgtgggtgc tacaagtgcg gcgaagat 458

<210> 6430
<211> 504
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316113c07b1

<400> 6430

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aggcaacatc acgttacggg agctcctgga gtggctcaag gagaaggggt tgaacgcata 180

cagcatatcg tgcggcacgt cgctcctgta caactccatg ttccccaggc acaaggagcg 240

gttggacagg aaggtggtcg acgttgccag ggaggtggcc aagatggagg tgccatcgta 300

tcggcgccat ctggatgttg tggtggcctg cgaggatgat gatgacaatg acgttgacat 360

cccactcgta tctgtctact tccgttgaaa ggattccctc tgaattgaca tcatctcgtg 420

tcccatcttt ccagtgaagt actttatata gttatactgt aaactgagct ggggtttaaa 480

gcaatattac tgattttcgt atgc 504

<210> 6431
<211> 557
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316113c11b1

<400> 6431

gttgtagggc ttcggtacac agataccgag cggggaagac gaggtatgcc cattaccggc 60

aaactgacga ccttctggca gactcagggt ggcactgcag cttttgcttt cggtacataa 120

atgattatgt cttcaaaatg aaagcctaca gccatgtgga ccggatcagg ttcagctact 180

tcttgaaccc gaaaagaatt cagcatgtga tatgccaagg ggctgatctc tttgatatgc 240

ttccggagga gtacacgttc caagagatca tcgccaagct tgggccgatc ccaagtacgt 300

attcggcggt tcatcttccc gcctatctgc tcgagaaggc tgatcagtac agatatcttc 360

ttcctggcaa ctgcatgaga gaaagtgggt agcctccgct gtttgcatca agatgtgatg 420

ccccccttggg gaagagcgtg gcttagcggt tgtatttgat accagtggct ggctgactta 480

gttggaatgg cggttgtgtg ggttcatgat tttgaccatg tattcaaaac aatggaagag 540

ggcctgcagc atacgca 557

<210> 6432
<211> 278
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316113c12b1

<400> 6432

gtctatgcga gcacacgcct tggccaaagc ccattctttt cttttcttcc ttctttggtt 60

cgtgtgtcaa agcattgatt tgaagagttg aatttttttgg aggggttggt gttagatcat 120

caggggggtag tggccacgcg ttagtagcag ctatagtgga ttgtagcagc attaaatcgt 180

tctgtaattt gaaaatttgg agggagaaag aaaaagccaa ggtccagtgg ttggccctaa 240

caaaaaaaaa acataaaaaa tcaaaaagat aacacaaa 278

<210> 6433
<211> 488
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316113d02b1

<400> 6433

ggttttatca cattctactc gacgacaaag cctcttgaca aatcttggca tgtccttggg 60

ctcgggtata atccaagcat cagcatggag gagattagaa acgctgctgt tgtgcatttc 120

aatgggaaca tgaagccttg gctggacatt ggtatgaacc agttcaggca gctctggaca 180

aaatacgtgg attacgacga ctcgttcatt cgtcaatgca attttgcacc gccatagaag 240

aaggaagcct tgacatttat tctgcagaaa tggaaaaggt ttggagattg gaactgggga 300

acatttcagc tggaacagcg ccgaacatct tttactgtca gatgactgcc gtcctgaaac 360

cggttttcat ttctaattcg aaaacaatca cttgcgattc tacttgcctg agattagtct 420

tgtgaatgtg taaaattgtg atacgaattc tatgtctcat gctatactta gtactgagtg 480

ctggatag 488

<210> 6434
<211> 453
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316113d05b1

<400> 6434

aacctgtcct atgcttacct tgatagtatc tgtttgcacc gtcaaatttt gctaccttcg 60

ttctgtggct gaacctccag gcatgtctgt tgaactattt gctatgtgcc tgtgttacct 120

ggaattcgaa tgattgaagt agtcctcgat gtgtgctaaa aaaaaaaaaa aaaaaaaaaa 180

aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 240

aaaaaaaaaa aaaaaaaaaa aaaaaggagg gggggggccc tttttaaaga aacaaatttt 300

cctccccggg tattccaatt ttttttttt ttttgggggga accaaaaata aattcccttg 360

ccccctttt aaaaaggggg aaaagggaaa acctctggca ttcccaaatt aaatgggctt 420

tggaaaaaaa tccctttttg gcagatggga aaa 453

<210> 6435
<211> 551
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316113d06b1

<400> 6435

cctttgcaac cacacagatt atgccacttc actaacagat gcgatagcga agatattaga 60

cccagtgagt gctctttcag ccattgatga agtgagcaag ttcagggagt gccaagggag 120

gtttgggacc aggttggcag aagaagctgc ggcgagaatg gggccaaccc aatggtggtt 180

tcagtttgga ggggatgttc ctgcattgca gaaatgtgca atgagaattt gctcacaatg 240

tgtctcctct agtgggtgtg agagaaattg gagcgctttt gctttggtgc acacaaagca 300

aagaagtcgt cttctatatg acaagctcca caagctagtt tctgtacgct acaacttaaa 360

gatacgtgct gaagaagatc aagagaaaga gagagatata gataaagaaa ttgatccaag 420

tgcattgcta atggatacca caatgtttga tgaaacaaac ccaataatgg agtggctgaa 480

tgaggatgta gaggatccga ttgtggatgg agctgatgca gctagtgctg tttttgagca 540

aataaggcgc c 551

<210> 6436
<211> 534
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316113e01b1

<400> 6436

ctcgtgttag cagctatgga gttcattcac aagggtgggg tttggtggtt cctcctgctc 60

gcaatggtgt tgctggctcc ggcgacggta ggcgccgagc aggaggatgg ggccacaacc 120

attaccacct tgcacgtgga ggaggaggtc ggctcgcgtg ccgatgacca tggcaacgac 180

gattgcgaca tcaagtgcgc ctattaccaa gatctggcca ggagacagtt ctgtgtggac 240

cagtgccaca gccagcagca tcatcatcct agcagagaag actgcgagtt gaaatgtcaa 300

cactggcaag acccaacaag aaaggaacta tgcgtgcaac agtgcatgag cttcggcctc 360

aacctccatg tgggtggcag cagcagcgtc catgagcgcc ctcatgcctt ggaggaggag 420

gtcggttcgc gtgccgatga ccatggcaac gacgattgcg acgacaagtg cgcctattac 480

caagatctgg ccaggagaca gttctgtgtg gaccagtgcc acagccagca gcat 534

<210> 6437
<211> 488
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316113e06b1

<400> 6437

cccatttgtc cgccaagagc gaactgagat catcctagga ccaggcgcga ccacacagga 60

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gcagcagctc ctggaggagc caatggcgcc ggcgcggccg gcgtactgcc ggagcgcgag 180

cttcggcagc ctggtggcgg accagtggag cgagtctctc ccgttccggc ccaacgacgc 240

cgacgacatg gtcgtctacg gtgccctccg cgacgccttc tcctgcggct ggctccccga 300

cggctccttc gcggccgtca agcccgagcc cctgccctcc cccgactcct acgacggctg 360

ctgcctcggc agcttcctcg cgtcgccgcc cgggctggac gcgccgtggg cggaggaggc 420

cgaggtcgca gcgacggcgt caaggggaa gcactttaaa ggcgtgaggc agccggccgt 480

gggcaagt 488

<210> 6438
<211> 484
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316113e07b1

<400> 6438

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cagaactaca gatcttttc ggcttcgtcc gaccaagaga ggatagaagc tgcaaacagg 120

ataatacatg gtctgccaag gtgtgtgaaa attgtagaag ttgggcctcg agatggactg 180

cagaacgaaa aaaatacagt gccaacacct gtaaagattg agctcataaa gagattggca 240

acctctggat tatcagttgt tgaggcaaca agttttgtct ccccaaaatg ggtgccacag 300

ctagctgatg cgagggatgt tatggaagtg gttcggaata ttacgggtgt aagctttctt 360

gtattgaccc caaaccttaa gggatttgaa gcagcagctg cagcaggtgc caaagaagat 420

gcaatatttg cgtcagcttc tgaagcattt tcaaagtcaa acataaactg ttcaattaaa 480

gaga 484

<210> 6439
<211> 546
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316113e08b1

<400> 6439

tctctcaagt gaatcgctgc tatggtgaac gctgacggaa gtacggccgt gcatgcgtct 60

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tggtttgcct ccatggaggt ctctgtccat cattagatac attggacaat attcgttctc 180

ttgatcgcat acaagaggtc ccgcatgaag gacctatgtg tgatcttttg tggtctgatc 240

cggatgaccg atgcgggtgg ggaatttcac caagaggagc aggctacaca tttggacaag 300

atatagcaca acaatttaac catacaaatg gtcttagcct tatttcaagg gcccatcaac 360

ttgtgatgga agggttcaac tgggcacagg agaagaatgt tgtcacagtt ttcagcgcgc 420

caaactactg ttaccggtgt ggtaacatgg ctgcgattct cgaaattggg gagaacatgg 480

atcagaactt cctccaattc gatccagcgc cgcggcaaat cgagccagac acaacgcgca 540

agaccc 546

<210> 6440
<211> 138
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316113e11b1

<400> 6440

ggcgaacgca ttgacgccta tgtctgtaac ctgaaaaact gggtgttctc cgcccacacg 60

gcgcgcgagt ctcaccatga tacagtttgc accgttgttg ctgctggctg cccctgatga 120

gcttgtcatc gaacaatt 138

<210> 6441
<211> 110
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316113f01b1

<400> 6441

cccatttttc cggcgacgct gtggccttgt cgaggtggct taatgttcag agcttcagag 60

catgtagcga gtgccgagtg cgcaattaat atgctaattt ggttgcatat 110

<210> 6442
<211> 514
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316113f02b1

<400> 6442

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ccgtcagatc ctatgtcgcg gagttcatcg ccaccctcct cttcgtgttc gccggcgtcg 180

ggtccgccat ttcctacggg caactgacgc agggtggcgc gctggacccc gctggccttg 240

tggcgatcgc catcgcccat gccttcgccc tcttcgtcgg tgtggccatg gcggccaaca 300

tctccggcgg ccacctgaac cccgccgtca cgttcggctt cgccgtcggc ggccacgtca 360

ccatcctcac tgggctcttc tactgggtcg cccagctgct cggcgccacc gtggcatgcc 420

tccttctgca gtttgtcacc cacggccagc ctatgccgac gcacgccgtg tccgggatca 480

gcgaggtcga gggcgtggtg atggagatcg tgat 514

<210> 6443
<211> 551
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316113f03b1

<400> 6443

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cacaaccgcg cccgcgcggc ggacggcgtc ggccctgtga cgtgggacaa cagcgtggcc 120

aggttcgcgc aggactacgc gaacaagcgc gccgccgact gccggctgca gcactccggc 180

gggccgttcg gcgagaacat cttctggggg tccgggcagt cgtggacggc cgcgaacgcc 240

gtgaagtcgt gggtggacga gaagcggaac taccacctca acagcaacac ctgcgatgcc 300

ggcaaggtgt gcgggcacta cacgctaggt ggtgtggcgc aagtcgaccc gcatcggctg 360

cgtgcgcgtg gtctgcgccg ggaaccgggg cgtcttcatc acctgcaact acaaccctcc 420

gggcaacttt aacggcgagc gcccgttcct caccccttgac gccgaagcca agtagtacat 480

acgtgcgtgt gtgttttttt tgcgggggac gtgcgtgtgt ttatctgtgt gattttgaat 540

attacgtcta t 551

<210> 6444
<211> 169
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316113f04b1

<400> 6444

aaatttttata aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 60

aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaggg gggggccctt ttaggggacc 120

caatttttcc tccccgtgct tgcgggctca tgtcttttt tttgtggcc 169

<210> 6445
<211> 89
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316113f07b1

<400> 6445

cttttatatc tgtaaatctg atatacaatg ctgggttaca gcattttgag gacagaagat 60

gtgtgtagac tttgacattg ctcagtttg 89

<210> 6446
<211> 484
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316113f08b1

<400> 6446

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gctggagagg gctctgtcgg aggccgaagc ctacgcctcc aaggtacaag tacgtcataa 120

caaattcgtg tcccctcgtg ctctaaggga acatatcaag aatattgaaa aggcagctgc 180

taatgctcta ccagacactt cggaggcctt gtgtccgcaa catccaaaat cagatgaaaa 240

gcgtgacagc atacaacttt ggtgggctgg aaaagagcta gctatgcata agaagctatc 300

tgactatatt ggtgttaatg acaaaacaaa gattgtcatc aggctaagcc tcccaacgag 360

cctttagtgt ggtcctgtcc gtcattgata tttcctagta ctccctgtgt atcaaaatac 420

ataacgtttt ggatactccc tttgtatcaa aacagagtat caaanaacgt cttatattat 480

gata 484

<210> 6447
<211> 551
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316113g03b1

<400> 6447

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acgacgacgt caagtcgtgc cagtgcgagg acttgcacgt gctctggtcc atcctcgtcg 120

agtcccacgg tctcccgccg cccacaccgc cggtgctccg gctcacgcgg tgaccggaac 180

gcgccggacg gcggatcgct ggcatcggcg cggcgccccc cggaataagg aacggccggc 240

gcggtgccgc cgtggctggc tccatgggag gtgaaccagt aatagtatag tagtagtagc 300

atatgatttc tgatgtaaag agcacatagg agcagttgtt tacagttcat ctggccttcg 360

tccggcgcct cttttggagc tgctgctggg acgggagagc gaggctgctg cgtttgcggc 420

ttctggacgc gtgtggtgat gggctttctt cgagcgcacc cctcttttga gtttttgatt 480

gattcacgcg tcgntttctg tcgagactgc acttggatgc agccctttaa ttcatcccca 540

ttaccaggga c 551

<210> 6448
<211> 528
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316113g04b1

<400> 6448

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cggattcgtt cccttacagg gagctggaga acggcgtgct ctgggaagtc gatggccatt 180

gggtcgttca aggagcagtt gatgtggaca ttggagccaa tccctctgct gagggtggtg 240

gtgatgatag gggttgtgga tgaccaggcc gtgaaggtgg ttgacattgt tgacaccttc 300

cgtcttcagg agcaacctgc ttttgacaag aagcagttta tctctcacat gaagcgctac 360

atcaagaacc tttctgccaa gcttgaaggg gatgacctag atgctttcaa gaagaatgtt 420

gagtccggca caaagtatct ttttagcaag cttaaggacc tttagttctt tggtggcgag 480

agcatgcatg aagatggcgg cgtggtgttc gcctactaca aggaggga 528

<210> 6449
<211> 303
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316113g05b1

<400> 6449

atcctgttta tcaaagatca ttttctaatt catgatgtca ttgtgcctgc atcagacgcg 60

gcggatccat tgcagcagct gatccggttg actgtgctgt taagagtgct agttgcggga 120

agatgatacg ccttagatgt cgtgatctca ggatctttgc tgaccaagaa agtgtcgtga 180

acgtcctatg gatgccaact gcgtacaggg cggactactt aacatgtggc ctgatgcagc 240

accaacaggt ctaagggctg agcgctacac cttactagga cactgactgt gactggtgct 300

ggt 303

<210> 6450
<211> 71

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316113g07b1

<400> 6450

tcatgcgtcc gcccacgcgt ccgcccacgc gtgcgcccac gcgtgcggcc acgcgtccgg 60

ttctagatcg c 71

<210> 6451
<211> 549
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316113g08b1

<400> 6451

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ttcgacaagg atggagacgg ctgcatcacc accaaggaac ttggaactgt gatgcgctcg 120

ctggggcaga accccactga ggcagagctt caggatatga tcaatgaagt ggatgctgat 180

ggcaatggaa cgattgactt tcctgagttc cttaacctga tggcacgtaa gatgaaagac 240

accgactccg aggaggagct taaggaggct ttccgtgtgt ttgacaagga ccagaatggt 300

ttcatctcgg cagctgaact ccgccatgtc atgaccaacc ttggtgagaa gctgacagac 360

gaggaggtgg atgagatgat ccgtgaggct gatgtcgatg gtgatggcca gatcaattac 420

gaagagtttg tgaaggtgat gatggccaag tgagctgcca tactaagcta gttctatctc 480

gatgttagca gctagtagcc ttgaaaactg acagcacttg gtactactgt taagtccagt 540

gaatgaaca 549

<210> 6452
<211> 557
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316113g09b1

<400> 6452

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ctcgtctact gcaccgccgg catctccggc ggccacatca accccgcggt caccttcggg 180

ctgttcctgg cccggaagct gtcgctcacc agggcggtgt tctacatggc gatgcagtgc 240

ctgggcgcga tatgcggggc tggggttgtc aaggggttcc agaccacgct gtaccagggc 300

aacggcggcg gcgccaactc cgtcgcgccc gggtacacca agggtgacgg gctgggcgcc 360

gagatcgtcg gcacgttcgt gctggtttac accgtcttct ccgccaccga cgccaagcgc 420

agcgccagag actcccacgt ccccattttg gcgccgcttc cgattgggtt cgcggtgttc 480

ctggtgcacc tggcgacgat ccccatcacc ggcacgggca tcaaccccgc gaggtcgctc 540

ggcgccccat catctac 557

<210> 6453
<211> 539
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316113g11b1

<400> 6453

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gagaaggaga ggatgatggt gagcgagatg atcggcaagg tgacgagcga gtgctgggac 180

aagtgcatca caggcgctcc cgggagcaag ctgagctccg gcgagaccag ctgcctgagc 240

aactgcgcga agaggttcat cgacatgagc gagatcatcg cgaaacgttt cggtgtgcac 300

tagaacaagg ccgccacatg cacgtgtgca gttgcttcct ggccttttga gctatgtgtc 360

cttcggtgtg agcggatttt ggtgtggcgt taaagatgca taggtatgtt cagtgggggt 420

ttaactgagc accgaagtat gcctgtcatt gtcgtcatcc ttgtagtaat tctcgcactc 480

tgggttgaac ttttgaccgc gcttccagga gcaagcaaga agcttggcct gttttaaca 539

<210> 6454
<211> 441
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316113g12b1

<400> 6454

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gtgtatgtca cgtattgggt catctatagt gaaatcactg gtcgatgcac tgcaccgcgg 120

tgaacggcaa aacgattggg aaacccatgt caatacccaa gtaaaacatc ttgctgtaca 180

tagctgtttt aatagctggc aggatcgcgc cgagggccgt accgaacaga cttgcaaaca 240

gaagggcaaa cgggacgcgc actgggacgc gccatgaagc gccgcattag gcgcggctac 300

tgtcatggtt acccgtacac tggccagtac actagccagc gctctattgc ctgtttcttc 360

tgctttcctc gctacgtttg tcggcacgtt cggcgaagct ctcagtcaag ggctaaattg 420

agggctccgt attagggctc g 441

<210> 6455
<211> 468
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316113h10b1

<400> 6455

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aatcttgtcg aggatatgag cggtacgacg cctcaggcgc ggatagcaaa gctggaagcc 180

ctgttgctga acaaacaatg gcgcatgcga ggcaagttta tctgccatga gagatcttca 240

gtcacagctt ggcgcagcca ccaaagaatg tcttgccgag aaggaacaga acccgaagct 300

gaccgtggag aactgagaag gcttccagta tgcgagtact cccagtctca taccgaacaa 360

tcaaagaggc ggagtccaga tagataagcc ccctggaagc tggatcccga aaactagtcc 420

tattttggct tccagagaga ccgccatctg gcagatctgt gtatgcgc 468

<210> 6456
<211> 431
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316114a03b1

<400> 6456

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agagaaaaga agcgcaagtt cactgagact gtggagcttc agatcggtct caaaaactac 180

gacccacaaa aggacaaacg tttcagcggc tcagtgaagc tgccccatat cccccgccca 240

aagatgaggg tgtgcatgct tggtgatgcc cagcatgtcg accaggctga gaaaatggga 300

cttgactaca tggatgttga aagtctcaag aagatgaaca agaacaagaa gcttgttaag 360

aagctagcca agaagtacca tgctttcttg gcatcagagg ccataatcaa gcagatccct 420

cgtctccttg g 431

<210> 6457
<211> 388
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316114a08b1

<400> 6457

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gcctcgccaa gggccgcccc aaggtcctcc ggaacgtcat ccaggacatc atccagggca 120

tgaccaagac gccgacccgg aggctcgcta tgaagcgcat cttgaagctc atctacgagg 180

tgacctacga ggagacccag agcttcctca agaacttcat ccagaacgtc atccgctaca 240

ccgagaacta caccgagcag acccgcccca agatcgacac cgtcttggac ctcaagtacc 300

cgcttcagcg cctgtaccga tccctctact gatcccccgg atcatcgccg ttagctctgc 360

tgctgaccct gctgcttcct gggtttgt 388

<210> 6458
<211> 311
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316114a12b1

<400> 6458

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ctcacaatac tttgtgctta aggtcattgg tgatggtgga aatccagatg ggcatgatga 120

tgatatgatg gtcatcacca ctaaggatgc ctcgtggttc tgaaaataag aattttatga 180

gggatatgat ttcgcttacg cgttctaagc accagactgc ttcacgggat ccttgtttat 240

gaatatacat ttggccatca agcaagcggt aggtatcgcc ttagtttttt tttgtggaaa 300

caaaactctt t 311

<210> 6459
<211> 247
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316114b01b1

<400> 6459

cggacactca tggcgctctg ctgtaggaga gctgtacgta ctatggtcgc cgctcgccac 60

tcggcacttg taaaatcgag ctgaatgcca cagttccatc gcttcttccc ttctcattat 120

tttctttcga gggatgacac aggacagtgc ttacagtcgt gtacgtaatt gggtataatt 180

ctttatgcat aataaatgaa ttattagttt gctctgcnna aaacaaaaaa aaaaaaaaaa 240

ctaaaaa 247

<210> 6460
<211> 440
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316114b04b1

<400> 6460

cccacgtgtc cgcccacgcg tccgcccacg cgtccgccca cgcgttcgcg gacgcgtggg 60

cggacgcgtg gggccgaaca gctcccctgt cgcctgcccc tgctccgccc cttctcgtgc 120

ccgggctccg ctccgctctc ggtaattgga tggcctcgcc tacgacgccg acgaagttca 180

ccggcgccca ggaggaagcc gcggcccgcc agtcgctcat cgggatctcc cagtccatcc 240

cggcggcggg agaggccctg agcgtcaagt cgccgaacgg tcgtacggaa cacgggcagg 300

acgacagcgg ggcggccgac aagtccaggt cgatgctcat gtccatcttc aaccagtcgc 360

cggaggcccg ccaatccact ccgtgcccgc acaagaatgc cgcttaggct taagcttgat 420

cttagtcctg taatagtact 440

<210> 6461
<211> 445
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316114b10b1

<400> 6461

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gctcgagtcg acgatgatct gcatagacaa ctcggagtgg atgcggaacg gcgactactc 120

gccgtcccgc ttccaggcgc aggccgacgc cgtcaacctc atctgcggcg ccaagaccca 180

gtcgaacccg gagaatacgg tgggcgtcat gacgatggcc ggcaagggcg tgcgcgtgct 240

tgtcactccc accagcgacc tcggcaagat cctcgcctgt atgcacgggc tggaagttgg 300

agctgaagca aacttggccg cagctattca ggttgctcag ctggcgctaa agcatcgcca 360

gaataagagg caacagcaga gaattattgt tttcattgga agccctgtga catacgacaa 420

gaaggtcttg gagacaatag ggaag 445

<210> 6462
<211> 444
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316114b11b1

<400> 6462

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tgccactccc cctccagccg ccgtcatgca gaacgaggtg cgtgacatgg tggacctcta 120

cgtccccagg aagtgctcgg ccaccaacag gatcatcacg gacaaggacc acgcctctgt 180

ccagatcaac attggtcacg ttgatgagaa tggcctctat gatggccgct tcaccacctt 240

tgctctctct gggttcgtcc gtgctcaggg tgatgctgat ggctccctgg acaggctgtg 300

gcacaagagg aaggctgaga tcaagcagct ctagatgccg ctagtagttt tacctggaac 360

ttgtgtcctt cccatgtcta cctagctctt ggatgtctgt agatgggtgc agttgctgct 420

atggaagcta agacttgatg tcac 444

<210> 6463

<211> 436
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316114c01b1

<400> 6463

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catattgatt tgccagctgc tgctgctgca ggcttgacag tggctgaggt tactggaagt 120

aacactgtct ctgtggcaga agatgagctc atgcgcatct tgattctgct caggaacttc 180

ttgcctggct atcaacaggt tgttaaaggt gaatggaatg ttgcaggcat tgcccatagg 240

gcttatgatc ttgaggggaa gaccgtcgga actgtcgggg caggtcgtat tggcaggctc 300

ttacttcagc gccttaagcc cttcaactgc aacctgctct accatgacag acttcagatc 360

aacccagagc ttgagaaaga aattggggcg aaatttgaag aggacctgga tgctatgctt 420

tcaaagtgtg atgtca 436

<210> 6464
<211> 434
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316114c02b1

<400> 6464

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ggggcagcag tccgcggcgc acctcaggga gcttctccgg gcggcgtccc cgccggtgca 180

ggcggagcac caggcgctcg ccgcggagat cctccgctgc tgcgaccggg tgatcgccgc 240

ggtgagcgcg ggcgccaccg ataaaaagag gaaggcgacg gaccctggcg ccacatcctg 300

ccatcttccc ctcgccatga tgccgtccaa aaaaagggtg cgtggggcgg aagcccacag 360

agaggtccat gccgacacga cggcggacgg gttcgtgtgg aggaagtacg ggcaaaagga 420

catcaacgga agca 434

<210> 6465
<211> 435
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsro9316114c03b1

<400> 6465

gtttctttaa gctcatgata aagtacgact tgatagaatt gctcaacaat tgtttgaacg 60

cattgggaag tcagtcgcag atgataattt taagcaatgg gaagggttgc tcgagttact 120

aggttcagac attggtagtg caggtggtct tgagttcctt cacaggtacc gggatttcaa 180

gagatccctt caacaggcac tagaaggaag gactggcgag gctgctcggc agaccgtgga 240

gtttcttata cagctaatga gaaatccttc tacaccacaa cgtttctggc tgccccttct 300

acatgactcg gtgaaactac tcaactgcaa accctgccct ttactgaatg ttgctgagac 360

gaccttgttg ctcaataaac tacaagagtt gtccatggcc aagctgcgtc ctgacttctg 420

cagtaatcac ctacc 435

<210> 6466
<211> 433
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316114c09b1

<400> 6466

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tcaagtgtag ttaagaacga tggacttgca cctggtggct tcaacttcga cgccaaattg 120

cggagggaga gtactgatgt tgaggacctg tttattgccc atatctctgg gatggacacc 180

atggcccgtg gcctccgcaa tgttgccaag ctgattgagg atggttccct ggacgagctt 240

gtccgcaagc gctaccagag ctttgacact gagattggcg ccatgatcga ggctgggaag 300

ggagactttg aaacgctaga aaagaaggtc ttggagtggg gtgagccaac cgttccatcc 360

ggcaaacagg aactggctga gatgctgttc caatccgctc tgtagatgac agcccacggt 420

tctaggaata aaa 433

<210> 6467
<211> 287
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316114c10b1

<400> 6467

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accagaagca tcaaaactat gatctggaac agtatcctga ataaactatt ttctggatta 180

tgaatgaatt ctgaagcatg gggctataag tgaattatgt aacatggatt tgtaactatg 240

gtggatgtta agttaacgtt ctatcagtgc atcgtgaatg cgtgctg 287

<210> 6468
<211> 55
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316114d02b1

<400> 6468

aaacgacaga gctctgctat acagcgacct aaatggaaaa actcgggcgt cgccc 55

<210> 6469
<211> 437
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316114d04b1

<400> 6469

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cctccacatt catggtcgcc ttgtgccaag ccatcgacct ccgccatctt gaggagaatg 120

tcaaggatgc cgtcaagagc tgcgtgaaga tgacggccag gaagacattg agcaccacca 180

acaatgggca cctccacaat gcgcgattct gcgagaaaga cctgctgctc acgattgacc 240

gtgaggcggt gtttgcgtat gcagatgacc cttgcagcgc caactaccca ttgatgcaga 300

agatgcgtgc ggttctcgtg gagcacgcct tggccaatgg tgaggccgaa cgcgacgtgg 360

agacatccgt ctttgccaag cttgccgcgt tcgagcagga gctccgtgca gtgctaccaa 420

aggaggttga ggctgcc 437

<210> 6470

<211> 439
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316114e01b1

<400> 6470

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ggactccggc ggctcctcgg cccgggggcc ggggagaggg ctgcgccggg gctggcggcg 180

gcgggggcgg gggcgagggc gtaccacgag cgggtggtgg accactacaa caacccgcgg 240

aacgtcgggt ctttcgacaa ggacgacccc aacgtcggca ccgggctggt cggcgcgccg 300

gcctgcggcg acgtcatgaa gcttcagatc cgtgtcgacg aaggcaccgg gaagatcgtc 360

gacgcctgct tcaagacctt cggctgcggc tctgcaatcg ccttgtcctt cgtcgctact 420

gaatgggtga agggaaagc 439

<210> 6471
<211> 434
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316114e05b1

<400> 6471

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ggtaccgtgc gctgccgcag ggggaggtga ccgcggagga gttctgggcg tggctggggc 180

agttcgacgc ggaccacgac ggccggatca gccgggagga gctgcagcgc gcgctgcgga 240

gcctcagcct gtggttcgcg tcctggaagg cgcgggaagg ggtgcaggcc gcggacgcca 300

accgcgacgg tgccgtcggc agggaggagg ccggccggct cttcgcctac gcgcagaggc 360

agctcggcgg caagatcacc cagctcggtt cctatggatc aaactgggca tgagttgatc 420

tgctgctgta actc 434

<210> 6472
<211> 282
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsro9316114e07b1

<400> 6472

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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaagggg 120

ggggccgttt tgagggaccc atgtttactt ccgggtgttt gcgaccatat attttttttt 180

tggggacccc taaattaaat tccctgcccg gcgtttaaca acagagggac tggaaaaacc 240

ttggggttac ccaatttaag cgctttgaga caaaacccct tt 282

<210> 6473
<211> 317
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316114e08b1

<400> 6473

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gagcaaaatg ctcgggggca tgggactggg tggtgattaa atctggcaaa tataggtagt 120

ttcttgtggc ataggtggtg tgcttgctgc gctgtggagt ttgctatatt tatatagatc 180

tctaaagatt tccatcctga caaagatact tcccaactcc tcaaaaagtt atgtgaaatt 240

tctctgcaac taacatctgc taggtcatca aatttacagg tactatggct tttgtgaatt 300

tttcgtgtca ttgcgtt 317

<210> 6474
<211> 300
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316114e12b1

<400> 6474

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cggacgcgtg ggcttggatc ctgtcaagcg atcgacctac agcatcttga ggagaatgtc 120

aaggatgccg tcaagagcat gcttaaaatg acggacctga agacattgag cacgcaccaa 180

caatgggcac cttcacaatg cgcgattctg tgagaaagaa ctccttgtta ccattgaccc 240

cgaggcggtg tttgcgaatg cagatgaacc ttgcagggcc aactacccat tgatgcagaa 300

<210> 6475
<211> 156
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316114f07b1

<400> 6475

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gtgtgaattg cagaatcccg cgaaccatcg agtctttgaa cgcaagttgc gcccgaggcc 120

actcggccga gggcacgcct gcctgggcgt cacgcc 156

<210> 6476
<211> 426
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316114f12b1

<400> 6476

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agtgccttca gattatgatc gagcagcaat gcaatcctgc tgcagacaag gcgctggatg 180

cttcaacctc ggcagaagga ccaaagttat cttctgaccc cccagaatct tctaccgtga 240

aggatgttcc aaacaacagt caaaatggaa caaccgagca agcaggtgat aaggaatgaa 300

gatctaacca tgctcgcctg aagttgtgaa ccccactagc catgaatttg actggttgct 360

gccaaactag aatcaagtcg gtcttttatc tttctgggag aaaggggtga gcatttctat 420

gaacta 426

<210> 6477
<211> 446
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316114g07b1

<400> 6477

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catcgcgtga gtaacccgga gatgaggatg ccccggagat ccgcctccct cttcgccctc 120

gccttcttcg ccctgctgct ctccacttcc ctggcaggga gacagcggcc gagcttcatt 180

gtagatcggg aggagtctct tggtcagcaa ggagaggccc aggacgaagc agctatggca 240

cagcctgtgc actcccggat gctcaaggac gtcaccacca gtgactacgg cacctacgac 300

ccaaccccgt ccatgcagaa gccccacttc aagctcatac ccaactgatc gaacaccctg 360

gctatacgtg atatgatcca tctatatatc tacgtccatg tgaatgtata tgtatatata 420

ttgatcgagg tattttaaac tagtct 446

<210> 6478
<211> 181
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316114g09b1

<400> 6478

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accactcgac cgcgccaagg gcggggaaga aggacgagcc agggaaggac agcggaacaa 120

gagcagaacc gaagaggcgc gggaccccca gcgggggcac aagaaaggcc acccgggggg 180

c 181

<210> 6479
<211> 437
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316114g11b1

<400> 6479

ctcttctgct aagcattcgc tcgccaccgt ctcctctctg aatcttctca acaaccagat 60

ggctcgcttc gccgtggtcg ccgcaatcat ggccctcctc gccgttgccg ccgccgcgca 120

gggccccatg ccggcgccca ggatggcccc gctccccgca ccgccggcca gatccccggg 180

caccgtccct gcgccggtag ccaccccgcc caccgccgcg tcgccgtctc cgatggcatc 240

tccccctgcc ccgaccaccg acgcgccgac cgacgctccc tccgcgatga cgccgtccgc 300

ggtctctgcc acaccctccg gcgcccccat cggcgccccc accggcaccc ccgcgagctc 360

cgccgtgtac tcatcggccg ccagcttcgt cgcggtcgcc ggagcggtgg ccgccgccat 420

cgtgttctag atgcagc 437

<210> 6480
<211> 451
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316114h02b1

<400> 6480

actattacta attctaatac aaactatgtt catcgtgaga tagtcgatct acgtgatggc 60

tctgagtttg tgattaaagt gccttattgc tacaactcta tgtacatgga tactgaccaa 120

gctcaaaatg atttattcat gatgatgcag gtcaatgtat taaatgaatt ggtagctcca 180

gacacttgcg cacaaagcgt agaaattttg tatgaggtta ggggtggagt agacatggaa 240

tttcaagttc cagttccttt caatgttgta ccagttcaac agatagttcc tcagagtggt 300

ggagaaggcc aagctgagtt agttcttgat tcttgtattg gtagttccac tgtgcatgac 360

ccgtctaaga tgtctgctga gctttgcatt ggtgaatctt gcacttctat gttacagttg 420

atgaagaggt atctncgatt ggcaacaact a 451

<210> 6481
<211> 398
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316114h03b1

<400> 6481

ctcgctattt cgtgtatgcg tccaccttct acggcttcgg cgccggcaaa ccaatcgcgt 60

atcgagcgat tcctccaatc acgagaggcg agccggctgg aagagcacct acccagcagg 120

agacaagatg acgttcacgt taaccaacct gatcaggctc atgttcacca agatggagat 180

gcggatcctg atcgagaatg ataaccccat cctgaagacc accatcctct acaagctcaa 240

gatcagggag atctacacca ccatgctcac catgaggttc aatgctgtaa ctgcggtgta 300

caagaacatc agctctactg tgtgcaatgt catgggttac gacaagatca atgcactgtg 360

gaggcattac ttccagaaca cacaggggct catctttg 398

<210> 6482
<211> 432
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316114h04b1

<400> 6482

ggaagtgtat gatgcagcgg gagctgaggt tgttctcgat gatgatgagg atggcgaagg 60

ctggctcgca acacatgggc tgcaaggttg atttctcagt ttcagtgctg ctttgtttta 120

cactgccgac tgtatgggct gaactctttt ttgtttcttc tgttggtaat gtttagcatc 180

agagtcaaaa gaggaggagg acataccatc tatggataca ttggacatag ggaaagtcga 240

agagatcaaa tctattccct cgtactttgg tgctggtgaa aagccagatg acgaggagga 300

tatacctgat atggacacct atgaagacac aggagatcat tccacagcta cccctcagcc 360

ttcatatttt gtcgcggaag agccggatga tgacaacatt cttctgacca gaacatatga 420

tgtcagcatc ac 432

<210> 6483
<211> 207
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316114h06b1

<400> 6483

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gagttgagta ttggacccga ttgtaatctt aatcatcagg atggggtcct ccttttttagt 120

ttcagggact atgatgtaat ttccttttct tttgagtcca ggtatgagct ctgtactgca 180

tccgctgata gttaatggat gctctgg 207

<210> 6484
<211> 406
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316114h09b1

<400> 6484

gcagttacag aaacttgtgt atcaagttgg agcgctctct acaaaggttg tatgcctgac 60

ccatgtagtt actgctgatg aattaaaaga tgatgaagaa tatgaggaca ttatggagga 120

catgatgttg gaagctggga aatatggtaa cttggtgaaa gacgtcatcc cgcgcccttа 180

ttcgagagga gagtcagttt ctggagttgg aaaggtgctc ttagagtatg cagatgttga 240

tggttccacc aaaacaaaca cggttatgca cggaaggaaa tttggtggat acccattaga 300

tgcggtcttc taccccgaga acaagtttgc tgatgaggac tatgactcgg aaccataaat 360

ttatttctat tccaatgaca atgtgttttg tgtagattgt tccatt 406

<210> 6485
<211> 430
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316114h10b1

<400> 6485

ccctttttgtc cgcccacgcg tccgcccacg cgtccgccca cgcgtccgcc cacgcgtccg 60

ggaatttctg ataatgatgc tgggagcgcg gagtctgtcg aaaagttaga tctgctgaaa 120

gatacaaaag tttctctctc tgccaaccat ctgcagaagt tacgtctatc ttttcaacta 180

tctacaccac ttggacgcac atttaaaccc caccaggttt tcttgaagtt aaagcatgaa 240

agcaaggttg aacacttatt tgtggtgcca ggttctgcga ggcaattcaa aattgttcta 300

gattttcttg gattggtaga gaaattttac tacctttctg gaacatatga cctcgagctt 360

tcagttggtg atgcttcaat ggaaaattcg ttcctacgag ttcttggcca actggagttg 420

gacttgccgg 430

<210> 6486
<211> 95
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316115a01b1

<400> 6486

aaaatttttа aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 60

aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaa 95

<210> 6487
<211> 358
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316115a03b1

<400> 6487

cccacttttc cgctcctcgc tgaactcttc ctcgtctcat cccaatgctt ccaagatgtc 60

ggtggattcc tctacatcgt cgactccatc aagcaagact catctgatgt tgccaacgac 120

atcatcggtg ccatcattgc cggtatcatg gccaagaaag ccatctcaga ctgcggacca 180

atcccagcca tcatcaacga aatgatccac ggttagattt gattagtatg ttcttcatat 240

tgtatcaaat acccctcgaa ccctatatct aaaatataag tattgaggaa ggccttttat 300

aatgacatca aaaatcaatt actggaaaac gtttacaaaa ccaaaaaata ggaaaacg 358

<210> 6488
<211> 456
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316115a06b1

<400> 6488

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aaccctagcc agcccaacta ccggcgtcgg ctggagagga ctagctgctg ctcgagagag 120

agagagagag agagatgtca tcgggacggt acatggccta ctcgccctcc ccgtccacca 180

cgccgcactc cccgcgcatc tccggcctcc gcgcctnctn cgccggcgtc gacgaccagg 240

agaagtacct tgcggagctg ctcgcggagc gccacaagct caacccgttc gtcccagtgc 300

tcccccatag catacggctg ctgaatcaag aaattttacg tgtttccaca ctattggaga 360

acgccctcct tttaaaccaa aagggctttg aacatggtag tccactaaca tcgggaggat 420

tatattcaaa tggagcagca actgatatga atgggt 456

<210> 6489
<211> 386
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316115a07b1

<400> 6489

ggctttcagt gcacctgaac cactagctac ctagctagct acatcggcaa gtcggcagag 60

ctcgtgatca atgggggtca agctcacgct cccgccggcg gcactgatct cccaggtggc 120

caagctgagc tccctcctcg ccctcctcct cctcgcgctg ctgctgcccg tcttcctcag 180

ggtcgcctac ggctacctcc tcttcaacgg catcgtcctc gcgctcggca tccaggcctt 240

cgtcggcggc ggcggcgctt ccatcgccga cgacgaagac cggcacgggt ctccgagtgc 300

cggtcaggcc gtcgaggcct cgccgttcca gagggctgga gctgaatcag tccgtcccga 360

cgaacgggcg gcggttctgg gtgatc 386

<210> 6490
<211> 136
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316115a10b1

<400> 6490

gcgtttattc gtgcgattta tacagcggtt atgttcatta aaaaagcaac cgatgatgct 60

gatggatgac cctgatgaga tcgtgtacga acaacatgga gaaaaaatgg cccttctggg 120

ccatgggcgg tctgtt 136

<210> 6491
<211> 452
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316115a11b1

<400> 6491

ttcatatgcc aattctgcac ctgccggggt tccatacttt acaaccattg ccccgtcact 60

tgttgggtca acgggtgcat tacctcccca acatgtgagg caatatgcaa taaaccgtcc 120

tgaaggtagc agtagtgatg gtctggacgg taattggaaa tggaaaagac caagagggtt 180

tgatcttaat tctggtcccg cgagtataga tttagaaggg aaggatgaaa gaatactttc 240

atcggttaga caaaatttga tgacgccaca gcaggccttt gtggaggagc aaacgagaat 300

gtaccaattg cctggtgtag gaataaagag gaaggaaccc gagggcagtt gggatcccga 360

cagatcatca tacaagcaat tgtcatggca gtaagaactt tggcgagacc tcgcatcgac 420

ttcttttgtc tgaggcaact gcatgtggaa gt 452

<210> 6492
<211> 467
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316115b04b1

<400> 6492

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gattgcgccc gctgccaccg caagatcgag agggtgctcg acaggatcag agagaagggc 180

gagttcgtga tcgacgacat cgagtacgat gagaagaaca acaaggtgat cgtgaagggc 240

cccttcgacg cggacaagct ctccgacaag ctctgctgca aggcctgcaa gatcatcaag 300

gagatcgaga tcgtggagcc gccgccgccg ccgccgccgg aggagcccaa gaaggaggtg 360

cccgcgcccc cgccgccgga gccggaggtc gtggtgccgc cgccgccagc ggtcgtggag 420

gagcccaagt gccccgagcc ggcaccggag ccgtccaagg aggagcc 467

<210> 6493
<211> 444
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316115b08b1

<400> 6493

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gaggcaccaa aatggctaaa agataactca tagttatcct taaaagaaaa atatcgatct 120

gatagaagca cgtgggtggc attatatcct gtccctttct tgttctctgg aagtttgaag 180

tttcctgcac agactgaaga gattagaaag caccaccagc attttcccca gctagttgtt 240

cagaagacat caagtaacaa ttggaaccga cggatgcatc tacagctctc acttggttca 300

ttatcagagg tttggaccac ttcgctcaat attactggtc cattatcgaa ttggtctttt 360

gctgacaaca cacttccagc tccttaaact gttagcggcg gaccaccatc atatatctgc 420

cgacttactg gacaaagtaa tgag 444

<210> 6494
<211> 378
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316115c01b1

<400> 6494

ctctcttgtc agcgtctcct ccagttcgga accccaagct gcacccccgg ctccggcgaa 60

atggccccga agcgaggcgg caaggcaccg gtgccggcga agaagaaggc ggcggacaag 120

gtggtgaacc cggtgttcga gaagaggccg aagcagatcg gcatcggcgg ggcgctgccg 180

cccaagatgg acctccaccg ggtcgtcaag tggcccaagg tcttgcggat ccagcgccag 240

cgccagatcc ttaagcagcg cctcaaggtt cccctggcgc ttcaccagtt tatccgcacc 300

ctcgacaaga acctcgacac caacctgttt aagatgcttc ttaagatcct gcccgaggac 360

aaggtggctt acaaggag 378

<210> 6495
<211> 454
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316115c04b1

<400> 6495

agatatttca ccggccggca gcacacggca agaaaaggac ggcgagcgcc aaggagatca 60

ccgagactcg acgcaccatg ccgtgcatcc cggcgtccag ccccagcatc cagcaccaca 120

accacaacca ccaccaccga gtcctagcgg gcgttggcgt cggcatgggg tgcggcgcgg 180

aggcggtcgt ggccgcggcc gggacggcag ggatgaggtg cagggagcac gactgcgagg 240

tcccggcgga ggtggcgcgg caccacgagc acgcggagcc ggggtccggc cagtgctgct 300

ccgcggtggt gcagcacgtg gcggcgcccg cggcggcggt gtggtccgtg gtgcgccggt 360

tcgaccagcc gcaggcgtac aagcggttcg tgcgcagctg cgccctggtg gccggcgacg 420

gcggcgtggg cacgctccgc gaggtgcacg tcgt 454

<210> 6496
<211> 365
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316115c05b1

<400> 6496

ctcttttgta ggcgcttccc ggtgacaacg tcggcttcaa cgccaagaat gttgccgtga 60

aggatctgaa gcgtgggttt gtggcatcca actccaagga tgaccctgcc aaggaggcag 120

ccaacttcac ctcccaggtc atcatcgtga accaccctgg tcagatcggc atcggctatg 180

ccccagtgct agactgtcac acctcgcaca ttgctgtcaa gtttgctgag ctggtgacca 240

atatcgacag gcgatctggt aaggagctgg aggccctgcc caagatcctc aagaatggag 300

atgctggtat agtgaatatg attaccacca agccgatggt tgcggagacc cttgctactt 360

accct 365

<210> 6497
<211> 167
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316115c06b1

<400> 6497

gtgtctcgtg gggatccggc tcgtgtgttg accaggttgc agaacgtacc atagatgctg 60

tggtgtaacc caggtgagac tctgtacaga cagctgtgga atggacggcc cgttatatga 120

atggttggtc tgtttatgtg tccatgacga aagaagaact tgattgc 167

<210> 6498
<211> 376
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316115c07b1

<400> 6498

tagatgaacc acgatccgga acgtgggaac accagggttc agtattgacc attcgggctg 60

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ggacattttg ttacagagtg ctacacgaaa gattaacgga taaggccctg aacgcttgct 180

ggataaacaa cagcaccgtg aatccatcca gactgatgat aaagaagaac agggagtgca 240

tgtacaagaa ggaaaataac atcttcatgc ctctaggcct aaacttggca ccggcctatg 300

atttacaact tcacgactgg gaaaacactg aggttgacga acataatcgc cttgaataca 360

aatccttttc gccaac 376

<210> 6499
<211> 429
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316115c09b1

<400> 6499

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cctctgtgcg gcagcggtgg ccgagcggag accgcgatgc ctctgccgca ctacggcggc 120

atcctctacg tcggcaccca agacggccga cgcccaggcc tcgcgcggga ggcgctgctg 180

cgaaggcacg gcggccccgg cggccggttc cgaaggcccg cgagacgggg aaaactctct 240

ggatcgaaaa tgctttttct ggttctggaa tcatctgtca tcatttaatc gatctaggaa 300

cttgtggtca cgatttcttt tctttagact actcgaaaaa tctagagcct agatcgctct 360

gacaccattg ttaagaacat gggatcgact aggctaggat ttcggagtag aatgaactat 420

ctatgaact 429

<210> 6500
<211> 429
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316115c12b1

<400> 6500

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tcttccgccg ggagtggggc cgcaactggc ccttcatcgc cggcttcgcc gtcacggggg 180

ccctcatcac caagatgacc gccggcttca ccgaggagga cctcaagaac tccaagttcg 240

tccaggcgca caagaagaag tagtcaccgc cgccaggtca caggggcagc agctgagtta 300

ccggcatgtg tccttgatgc ggcgagccag tcctcaccct cactattgtg attgaacttt 360

atgtttttg ttcaaatcca actgcgtgca tttttgctgc tctgttttgt aatgaataag 420

cgacatttg 429

<210> 6501
<211> 202
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316115d01b1

<400> 6501

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tagagcttaa gtctgtcaag cttaatctgg atcatggaat cgtatgttta ttggatacaa 120

agttgcacta tcaattttgc cttgtctgtt gggctgacct gcatcaaaaa ataaaaaaaa 180

ataaaaaaat aaataaacca aa 202

<210> 6502
<211> 269
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316115d06b1

<400> 6502

acacggatta ttctagtgag ctgacagctg agatgaccaa ggtttacgtc ccagtgcgtg 60

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cgtcgagagt ggaagctccg tggagaatcc gaccaaaata gtgttggttt ccatccgcct 180

gtggtgtgct ggcctagtag acaagaggac cgagcctatc gtcattacga gcagactcgc 240

agccttgatg gagaaagggg agcgctctg 269

<210> 6503

<211> 138
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316115d09b1

<400> 6503

tcatgtttgc ggatccggag cgtgagtgca cgggggttaa gttaaaagcg aaggtgctgg 60

tgcatgaaac agatgagatc gtgtaagttc aacctcaaaa aacaattcga ctgccatggc 120

atagatcctc tgtgaaag 138

<210> 6504
<211> 193
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316115e03b1

<400> 6504

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gacgcaatcg tcggcgagct aaaacgacat cattcacatc tcagtctggg gttgcgaatt 120

cctttgggtt ccgtagtaga cgccttagca ctaagcgtta ccggaatatg ctttggaact 180

cgatatatat atg 193

<210> 6505
<211> 402
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316115f02b1

<400> 6505

cacattttta gtgagagctt tgcgctgaaa gttcatcagc aactatgaag ggcaccaagc 60

tcgcggcgat cctgatcctc caggccgtcc tggtcatggg agtcctctcg cacgtcaacg 120

ccgacttctt ccccaagtgc tgcaacaact gcaggtcctt ctcgggggtc gacgtctgcg 180

acgacgccca ccccaagtgt cccaagggct gctcggcgtg ccgcgtggtg tctacgagcc 240

ccgaaatgtg gcgctgcgcg gatatgaaat ccaccgtcga cggcacctgc ggtggaccct 300

gcaagaagta ctgatcggtt catgccggca tatgatatgt tccgcctaaa attaaataaa 360

aagctcggac gagatgagca gcgtaatcgt gcctatgcgt gt 402

<210> 6506
<211> 329
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316115f04b1

<400> 6506

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ataggttttg cagtagttgc aaataggctg gaacttggaa ctggttatat acatgtatgt 120

ccatccagct ggtgaacctc ttatggaaaa cttaatttta ttcctagttg aacttgttag 180

ttaaatgctg ttcatatgac tggctggttg tcaaattgtt tgtgtatttc ttgattccgt 240

tccttgtgat tggtgaatgt atgaactggt gctctctaaa aaaaaaaaaa acatagaaaa 300

aatttaaaaa aattaaaaat ataaaaaca 329

<210> 6507
<211> 56
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316115f06b1

<400> 6507

gccacgtgct cggatacgca tcgggagatg cctatggtgc aggaacgagc gcagat 56

<210> 6508
<211> 199
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316115f07b1

<400> 6508

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ctgtctacac cttgacattg ctcaagtgga aactaaaaaa aattaactga tcaacagaat 120

cacaacgtct tggctgagga aaccatggcg aaacccaact taattgccat gcacaacatc 180

gctctttaac aaggtggcg 199

<210> 6509
<211> 244
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316115f08b1

<400> 6509

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gtacatacgc tttaccacag acttcgtagg actggagagg gccgcaccga tcgtcatatg 180

aaacgcgtga gcagactcaa tggtgaatgg gacgcgacct gttgccgttg attaagaagg 240

tatg 244

<210> 6510
<211> 424
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316115f10b1

<400> 6510

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cgccggcgac gcgcaggagt tctgctacgt cgggagccgg cagctcgagg tcgccggcgg 120

ggcgttcctg atggaactgc tggaggacac gccggcgccc gccgaccagg caccggaggc 180

cgccgacgac cggctgaggc gcgtcatgcg gtccctcgag gccgagctcg gcgtcgcggc 240

ggtgccggca ccctctgcgg cggaggacgg cgggagcacg gcggacgggc cgatgagcga 300

ctacgacgac ggggagctgg aggagatgct gtcggagttg ggcggtagcc tgggggccga 360

ggcgccgtcg ttggccgccg tgctgccgtt cgagtactgg gaggaggtgc cgnccgtgat 420

gggc 424

<210> 6511
<211> 92
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316115f11b1

<400> 6511

tggatatgcg aacaactgca gctggaggaa tagctaacag gcccgaacga agaagctgtt 60

gctaacagtg gcacagcctg aatgggaaat gg 92

<210> 6512
<211> 56
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316115f12b1

<400> 6512

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<210> 6513
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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316115g04b1

<400> 6513

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aggcggcgcg caagtcggcc ccggccaccg gcggcgtgaa gaagccgcac cgcttccgcc 180

ccggcaccgt cgcgctccgg gagatccgca agtaccagaa gagcaccgag ctgctcatcc 240

gcaagctgcc cttccagcgc ctggtgcggg agatcgcgca ggacttcaag accgacctcc 300

gcttccagag ctccgccgtg tccgcgctcc aggaggccgc cgaggcctac ctcgtggggc 360

tgttcgagga caccaaccta tgcgccatcc acgccaagcg cgttaccatc atgcccaagg 420

acattcagc 429

<210> 6514
<211> 144
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316115g05b1

<400> 6514

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gtacaaccct tgcagactct tacgttgctg gagatttcgc caaattctgt aaaaaaaaaa 120

aaaaaaccac aaacataact taat 144

<210> 6515
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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316115g08b1

<400> 6515

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tggcgtcgcg gccgacgctg aagccgaagc cgaagggcac gggtgggaag aggggctcgt 120

ccgcggccga ggacgagcag tccacggcgg cggtggctga gcaactcgcc aaggagtgga 180

gcacgtggac gatgaaaact gccaaagtgg cggcgcactg gggcttcatc caggtcatta 240

tcgtccgtcg catgaataaa ggagaccagc ccaaacctag cttggttcag cttctgttcc 300

ccgtatgatc ccattcccgg ggagccctag aatggatcca tccagcttct tttaggtact 360

acctagagat ggtt 374

<210> 6516
<211> 193
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316115g09b1

<400> 6516

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catctgtttt ctgtaaccgt tgttggtagt gacgctgtgg ataaaatata agtataacta 120

cacttccata taaaaaaaaa aaaaaaatga tataaaacaa caaaaataga ataaatataa 180

aaaataatat aag 193

<210> 6517
<211> 402
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316115g12b1

<400> 6517

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gacgatctga tcgagtagag agaggatgat gagtctgtct gtcttatcaa tcaatacttt 180

gagagccaga gactgtgcga gtcggtttta ggttgaaggc ttgatttgga gtagtcaagc 240

cggatgtttt tcctgtctgc cttgccttgt ctggtgggct gcaaactgtt tgtgtgacat 300

tgatctacat gatgttgctt gccatggatt tgttgttggc caccttgatg gttcatcagt 360

attattatgc ctgttggctc aaaaaaaaaa aaaaaaaaat at 402

<210> 6518
<211> 359
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316115h02b1

<400> 6518

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atggcggtgc cgcttctgac gaagaagatc gtgaagaaga gggtcaagca cttcaagagg 120

gcccatagcg accgctacat tggccttaag caaagctggc gcaggccaaa gggtattgat 180

tcccgtgtca ggagaaagct caagggatgc accttgatgc ccaacattgg ctacggatct 240

gacaagaaga ccaggcacta ccttgccaac aagttgaaga agcttgttga ccacaatgtg 300

tctgagcttg agctgcttat gatgcacaac aggacctact gtgcggagat cggccacaa 359

<210> 6519
<211> 167
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316115h06b1

<400> 6519

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atttagagca ttgactcttc tttaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120

aataaataaa aaaaggcgaa aaaaaaaaaa aaaaaaaaaa tgaaaaa 167

<210> 6520
<211> 69
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316115h07b1

<400> 6520

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agatcgcga 69

<210> 6521
<211> 267
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316115h09b1

<400> 6521

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gcgtctgacc gcctccggga catcaaggcc ttcgaggaca ccaaggccgg cgtgaaagga 120

ctcgtcgatg caggattgac caccatcccg gcaatcttcc gccacctgcc agacacgata 180

ccggtcgacg cgtcgcgctt ggccatccca gtcatcgacc tcgcccgcat cacgtcccat 240

cgagccgagc tggtggccga gctgaaa 267

<210> 6522
<211> 393
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316115h11b1

<400> 6522

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aagggcccaa cagcttgatc agaagctccg gattgtcaag ctcacaactt atggtttgga 180

aatgctttcc gttcgtgaga actttgacga ttagcaaatg cagcaatctt gtccgctggc 240

caacaaagga gctcgggtgc ttggatggcc tccgctatct atgtatccaa aattgtgaaa 300

acctgggggg gaacacttca tcgcctgagg aggaaaccct tccactgtac ctagaggtat 360

taaagatttc agagtgccgc agcgtggtgg cac 393

<210> 6523
<211> 426
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316115h12b1

<400> 6523

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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120

aaaaagaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaataaaa 180

aaggggggggg cactattgaa gggacaaatt tattctcccg gggcaggaaa aaaaaatggt 240

ttttaaaggg gcaaaaaaaa aaaaataaat gggccgacat taaaaataag ctagacggga 300

aaaaccgtgg tacaacaaaa ttaatgggta taggaagaaa aatccctttt tcaaaggggg 360

gaaaaaaaaa aaaaggttag aacgatggcg tattaaaaaa agaggcccaa cctaaaggga 420

aaaggg 426

<210> 6524
<211> 380
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316116a04b1

<400> 6524

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ctgagtagaa aatagaagtc gctattttgc tgcttcatat ctagaagatg atatatgtgc 120

cacctgggtg tcgtgaactt tgtagtcagt tttgatggct gatttcttga gtacttctgt 180

cgacattcct agccagcgtt cagttatctt attttgttcg tgttactttc tggatggagg 240

ttatgagttt aaaactaaat atttagttta ttcctgccgt gtgtgtttta tgtttgaatg 300

gaacttatgc tctgttgttt tgctagctgt atctcagtac caacttttg ttcgcgtgcc 360

ccacaaattt tcaatctttt 380

<210> 6525
<211> 60
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316116a06b1

<400> 6525

cgggaacagg aagaagaccg atcgcctttg cgaacagatg ctcaagctga actggatagg 60

<210> 6526
<211> 303
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316116a11b1

<400> 6526

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ggcaggagag gaaagactgt tggtgtctcc aagaagcgat aagctgcttc acaaagatcc 120

cgcatagctt tgctactact gtgttggtcc atttccacaa tcttaaggag tgttcttgtt 180

tagacgatta ccttggatga tgttttgccc tagataatgt tttggttctg gaacctttaa 240

tatattgtat cttgaattcc ttgttgaact cttgagagtt tgttttgcca tgggcttaga 300

gtc 303

<210> 6527
<211> 448
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316116b05b1

<400> 6527

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cgcgcccagg gcgaggcggc tgcaatgacg aggtcgctat cggcgtcgac gaagacggcg 120

gcgaggaagg acaggacggt ggaagagcgg gggagcaggc tgaggaacaa gtgaagcgta 180

gtaacttgca aggagcttag aattgatggc catggatgag ctcccgagga gcgcgcatgg 240

ccaacttctt gcttctgatc ccttcccaat ttgttggcat gcatacctgt gattcttgat 300

cattttctt actcgtattg gtttcagtgc atcccatttt tttggtggga gatgtggggg 360

gcgtcatggt tgagagaggg gtacattttt gtaattaaat taatggatgg cggtaaaaaa 420

cagtagccca actctgaccg gataatag 448

<210> 6528
<211> 528
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316116b11b1

<400> 6528

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cgctcaactg gggcgcggcg gcggccgagc tcaccggcag ccacctcgac gaggtgaagc 180

ggatggtggc acatatccgc gagcccgtgg tgaagatcga gggcgccagc ctccgcgtcg 240

gccaggtggc ggccgtggcc caggccaagg acgcgtcggg catctccgtg gagctcgacg 300

aggaggcgcg gccccgcgtc aaggccagca gcgagtggat cctcagctgc ctcgccggcg 360

gcagcgacat ctacggcgtc accaccggct tcggcggcac ctcccaccgt cgcaccaagg 420

acgggcccgc cctccaggtg gagctactca ggcatctgaa cgctggaatc cttggccccg 480

gcgccgatgg ccactcgctg tcggcggagg tgtcccgtgc ggtcatgc 528

<210> 6529
<211> 439
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316116b12b1

<400> 6529

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ccatgacgct taagtgcagg aacgtaggtc gcatcaagca tggcctaggt caaattaagt 120

acatgcgttg ttacaactgc gccactggct gaaccaagga caaggctatc aagcgtttct 180

tggagaagat catcgtggag caagctgctg tgatagatga gaaggacgct cgtgtccatg 240

atggatatgt ccttacaaag ctgaacggcc aagggcaccc actgtgttct tgtgccatac 300

atgctcacat tgtgcgggtt cggtccagtg agaacagtac gcaccgcaag cccctagagc 360

gatataggtg cattgacgac cgtctctatg ctctggacag ggtggcccta tccgtgctag 420

tggccataga ggcccttgt 439

<210> 6530
<211> 219
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316116c06b1

<400> 6530

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cagtcaagtg tgcgtgccca ctcccctctc tctgtcgcgc cacatgccgt tacagttgat 180

acattctatt ctacagtaat aatgatcgtg aatgatacg 219

<210> 6531
<211> 208
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316116c11b1

<400> 6531

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taatgtttac ctggtactga ttcagtcatt tggacatggt gtttatgttc gtcgttgact 120

ctgtgattgg actctgaatg caaaaacctt ttaaacaaaa aaaaaaaaaa aaaaaaaaaa 180

aaaaaaaaaa agaaaaaaaa tataaagg 208

<210> 6532
<211> 562
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316116d05b1

<400> 6532

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ccatggtgaa gtactcgagg gatccgtcca acccgaccaa gtcggccaag gcctgtggca 120

aggatctcag ggtccacttc aagaacacac gcgagacagc gtttgctctt cgcaggatgc 180

ctttgggcaa ggctaagagg taccttgagg atgttctcgc ccacaagcaa gcgattccct 240

tccggagata ctgcagaggt gtgggtcgta ctgcgcaagt aaagaaccgc cagccaaatg 300

ggcagggtcg ctggcctgca aagtcggccc agttcgtgtt ggatttgctg aagaatgctg 360

agagtaacgc tgaggttaaa ggcttggacg tcgacaacct ctacatttca cacatccagg 420

tgaaccaagc ccaaaagcag aggcgccgta cataccgtgc tcacggacgc atcaatcctt 480

acatgtccaa cccctgccac attgagctga tcttgtcaga gaaggaagag cctgtgaaga 540

aggaggctga taacgtcgtc gc 562

<210> 6533
<211> 206
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316116d09b1

<400> 6533

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accgatgagg ccagctccca tcagtaccta acaggaccgg accaatcgga atggccaacg 180

gtacgccacc cggaacggcg aatgaa 206

<210> 6534
<211> 361
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316116d12b1

<400> 6534

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ctttattgag tgttgcctta cagtcaaggg tctgactgag aagttcaagg agaaggacac 120

agcttattcc gggtctgcaa ctttcagtta cgaggcattc atgttgactg tgctcccttt 180

catcatcgca tgatgactcc gcagttcaat acaaagactg agctttgagt gtgttgttcc 240

atgtgtcgaa acgtttttcc atcggaggtg tagtttgtct gaattcgagt gatgttgctg 300

cgttcctgat aaggtgatac cctggagatt ggaaactgcc tatggatggt ttggaactct 360

g 361

<210> 6535
<211> 92
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316116e02b1

<400> 6535

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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aa 92

<210> 6536
<211> 243
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316116e04b1

<400> 6536

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aaaaaaaaaa aaataaaaaa aaataaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaat 240

aaa 243

<210> 6537
<211> 554
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316116e06b1

<400> 6537

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cacacgggag gtgatgattt ctgtttttgg cggcgattga ttctgctgcc gtcgcaattt 180

gtgcaaaagg ccttgcattg catgcccagc tagtgggagt ggtgcaagga acagatctga 240

ataagtgtga gcggttggcg atgcttgtgt tcatcgatcg accgtgaata tatttgttgg 300

taccactggc ttacatattc tgtgattctt aagaggcgaa gccgagagca gaaagctcat 360

tcatcttggc tgttcatcgg ctcatttggt tgtctggctg ggctgctgta ttggaactgc 420

tgattgtgta actgcagaag ctgttgcttc tttaccgatg ccggtgttct gttggacata 480

ctcggtggta cagtaagact tattattgaa atcatctttt ttttactgaa atctggataa 540

gtactacctt ctgt 554

<210> 6538
<211> 368
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316116e08b1

<400> 6538

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gaggcgttgc tgcaactttt gccgcaccgc gtacaggcct atcggttcag aaattgcaac 240

accgcctgtt cagagacaag aaaagaggaa attgctgcac tggctttctg cgcaataatg 300

taaaggatac ctgaaaatgt ttgtattcga gcaataatgc aggcatatgc caatttatca 360

tcatggac 368

<210> 6539
<211> 574
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316116e10b1

<400> 6539

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gcttcaggtc gctcgacttc ggcgagcgca acgggtacct caagggcgtc gtcaccgatg 180

tcatccacga cccggggcgt ggtgcgccgc tggccaaggt gaccttccgc cacccgttca 240

ggtacaagca ccagaaggag ctcttcgtcg ccgccgaggg tatgtacacc ggccagttcg 300

tctactgcgg acgccgcgcc accctctccg ttggtaacgt cctcccgctc cgctccgtgc 360

ctgagggagg cgtcatctgc aacgtcgagc accacgtcgg cgaccgtggt gtcttcgcca 420

gggcctccgg tgactacgcc atcgtcatca gccacaaccc tgacaacggc acctcaagga 480

tcaagctccc ctctggtgcc aagaagattg tcccaagcag ctgccgtgcc atgattgtca 540

ggttgctggt ggggcaggac tgagaagcca tgct 574

<210> 6540
<211> 405
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316116e11b1

<400> 6540

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agggcaccag cgctgggggg gggagcccac gacagatgca gaactgatcg acaacatgac 180

ctccaaggag ggacagctga gcagtgacgg gtgcctgtcg ggtactaaag aagaactggc 240

ccttggagtg tgagacctta aagaggtttt tgattcatta ggcctaaata tggtactgtt 300

tgtcccttta ctacgtagca accggaaaat ctatgtagta tttaattgtt ttaatagtat 360

tatattttgt ttttgaaatt atttatatac gtcaaatgtt ctcat 405

<210> 6541
<211> 522
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316116e12b1

<400> 6541

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acctgttcca ccacaaggag ggcgaggact tccagcccgc cgctgacggc ggcgtcgaca 180

cgtacgggta ctcgaccgag acggtggtga ccgccaccgg caacgacggc gagtacgagc 240

ggatcaccaa ggaggagaag caccacaagc acaaggagca cctcggcgag atgggcgcag 300

ccgcggccgg agccttcgcc ctctacgaga agcacgaggc gaagaaggac ccggagcacg 360

cgcacaagca caagatcgag gaggaggtgg ctgccgccgc agccgtcggc gccggcggct 420

tcgtcttcca cgagcaccac gagaagaagc aggaccacaa ggaggccaag gaggccagcg 480

gcgagaagaa gcaccaccac ttcggctagg tcgccgtcga cg 522

<210> 6542
<211> 550
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
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<400> 6542

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gcgcctggcc tcgagcgtcc tcaagtgcgg caagggcaag gtctggctcg accccaatga 120

ggtcaacgag atctccatgg ccaactcccg gcagaacatc cggaagctgg tgaaggatgg 180

tttcatcatc aggaagcctc agaagatcca ctccaggtct cgtgcaagga gggcacatga 240

ggctaagcag aagggccgtc actctggata tggtaagcgt aggggtacca gggaggctag 300

gctccccacc aagatcctgt ggatgcggag gatgcgcgtc ctcaggcgcc ttctgcgcaa 360

gtaccgtgag gccaagaaga tcgacaagca catgtaccat gacatgtacc tgaaggtcaa 420

gggtaacatg ttcaagaaca agagggtcct catggagagt atccacangt ccaaggctga 480

gaaggcaaga gagaagaccc tctctgacca gttcgaggcc aagcgcgcca agagcaaggc 540

atgcagggag 550

<210> 6543
<211> 504
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316116f06b1

<400> 6543

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tggcggcgga ccgggcggag tgctcggaca agctggtggc gctggcgacg tgcctgacgt 180

tcgtacaggg gcaggggcag gcgccgacgc cggactgctg cgggggggctg aagacggtgc 240

tgcagaccag ccccaagtgc ctgtgcgtgc tcgtcaagga ccgcgacgac cccggtctgg 300

acttgaagct caacgtcacc agggcgctcg gcctccccgc cgcctgcggc gcgcccgcca 360

acatctccga ctgcccaagg ctactgaacc tgccgcccaa ttccaaggac gcggaggtct 420

tcgagcagtt tgccaagcag caggcagccc agagcagccc aagtggcgcg tcgagtgcgc 480

cgagcacggg cgcacagaaa aacg 504

<210> 6544
<211> 474
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316116f10b1

<400> 6544

cgttttggtg atgggggtgg ctatcgcggt ggtggtggtg gcggttaccg tggtggcggg 60

aggggtggag gtggtggcag gcatgacagg tacgatgatg gaccgaggcg caggtacggt 120

ggcagcccac cgcggcgcgg aaggagccct ccagcaaggg agaacagcga ggagcgcagg 180

gccaagattg agcagtggaa ccgtgagcgg gatgagaaga agtgatgaac cgcgggtagt 240

tttactgcaa gcattattta ccttttcatt catgtgtcgt tagtttgctc ctatgttggt 300

ttgctgtcag acattagtgt gtgggtcgat atagtactat tgcttggttg agtggcctgt 360

caagtgcagg attctattag aggcgtacaa gctgctattt gtgctcaata ttattgccgg 420

acctgttctt gtattatctg aaaagtttac cgtgttctgc taaaaaaaaa naaa 474

<210> 6545
<211> 544
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316116f12b1

<400> 6545

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aggatcgtcg gagatgtcgg acaccgatga gcaccacttc gagtccaagg ccgactccgg 120

cgcctccaag acctacccgc agcaggctgg cgccatccgc aagggtggac acatcgtcat 180

caaggcccgt ccctgcaagg ttgttgaggt ctccacctcc aagactggga agcatggtca 240

cgcaaagtgt cactttgttg ccattgacat ctttaatgga aagaagcttg aggatatcgt 300

tccttcatcc cacaactgtg acgtccccca tgttgaccgc caagattatc agctgattga 360

cataactgat gatggatatg tcagccttct cactgagagt ggtaacacta aggatgacct 420

gaagcttccc actgatgatg ttctgcttgg ccagatcaag actggatttg ctgatggcaa 480

ggacctgatc ctgtctgtga tgtccgccat gggtgaagaa cagatctgcg ctgtgaagga 540

aatc 544

<210> 6546
<211> 540
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316116g08b1

<400> 6546

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acgacgagcc gaggagagtg gagcacgtcg accatgctcg gaaatcagcc gagcaggcag 120

taaaggcgat caaggccaag gagtccggcg agtccgtggc ggagtacgac tacctgccct 180

acttctactc gaggtcgttc gacgtcgcgt ggcagttcta cggcgacaac gttggcgaga 240

cggtgctgtt cggggacaac gacccagcgg cgcctaagcc caagttcggc acctactggg 300

tcaaggacgg caaggtcatc ggtgtgttcc tagagggtgg ctccgccgac gagaatcagg 360

ccatcgccaa ggtcgccagg gcccagccgc cggtggccga cgtggaggcg ctcggcaagg 420

aaggccttga tttcgccacc aagatctgaa gattcctctt atctattcta cgcgtgtaaa 480

ttntgtgttt ggccctcccc tgccgatgct tcctagttcc tagttcagaa gtgtgattcg 540

<210> 6547
<211> 523
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316116g09b1

<400> 6547

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tgccacatac agtatacacc aagagaggtt tggtgcaagg atgtgcattg gggacattcc 120

gaagcatcag tcctgtacgt ggctctcaca cccgtcgaag acccaagacg gcgcgagctg 180

agccatctca cagcaagtaa atgaaccatt atacaatagt tgtttcccct gttgttgttg 240

tatcgtactg cgactgccat ctactcaaaa taataatcgt agcccatctc agatacactt 300

ctgtacgggc cgcgattagt ccattggatt gttgaaatgg atgtttaagg ggccacagtt 360

ccctgctaat aaattatatg agttcatgtc agccaaccct gttagacaac gctgcctatg 420

tatgtttgct actctgctgc tgctgtatta gtcctgtaat gtttggcctt catagcccct 480

tctaggaagc aattgccagc cgccagaaag tgtgtttctc ttc 523

<210> 6548
<211> 568
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316116g12b1

<400> 6548

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agctccgaaa aaaccaaacg aaagagctca tcttggatta tgcgaatcgg ctctgtgagc 120

gtcttccgag ccccaacggg gaatcaaccg tcgactgcca ccagatctca gagatgcctg 180

atcttgcttt caccatagca aacaagactt tcaccttgac gccagagcag tacgtagtga 240

agctggagca atcaggccag gccatttgca tcagtgggtt catggcgttc gacgtgccgc 300

cccctcgtgg cccgctctgg atacttggag acgtcttcat gggcgcctat cacaccgttt 360

tcgacttcgg cgagagcagg attgggttcg ccaaatccgc atgaggactt ggtgtatcag 420

ggctcagggc cggtattgta catactgcaa gcacgtgcaa gttgcaaggg caacaataaa 480

cttatacgga gtattagtag aaaggaacaa atgaacttgc caccagcatt tgtatagcta 540

tttgctatgt atggcttgat atggagct 568

<210> 6549
<211> 557
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316116h05b1

<400> 6549

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gaaggtgtac cctgatctga cggagcaggg cagtgccgcc gcccaggtcg ccgccgtggt 180

cgtcctcggc gtggcgcctg agaacaaggc aggtcagttc gaggtggccg ccggccagtc 240

cggcgagggc tgcagctgcg gcgacaactg caagtgcaac ccctgcaact gttaagctgc 300

atgcactcgt accgtcgtac gtacgtgtga tggtgtgaga gtatacgtga ataacgagcg 360

tctgatctga tggagtcgag caagggtgcg tgtgcatgtg cgtgtggttt acttcgctcg 420

ctctccgcct atgctctgcc cttggtgtcc ttgtgtgtat gtgtgtgcat gtgtccctgt 480

aattgcttca tctatctcca ctatggatgg agtgatgaat atgtaagaat gaatgattta 540

cctaattaac tactcct 557

<210> 6550
<211> 480
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316117a10b1

<400> 6550

cccacgtgtc cgtgaggagt gagaagagat ggctccggtg aagctgtacg gcgcgaccct 60

gtcgtggaac gtcaccaggt gcgtggcggc gctggaggaa gccggcgtcg agtacgagct 120

cgtccccatc aacttcggca ccggcgagca caagggcccc gaccacctcg ccaggaaccc 180

ctttggccag gtgccagctt tgcaggatgg tgacttgtac gtgtacgaat cacgtgctat 240

ttgcaagtat gcgtgccgca agagcaagcc agagctgttg aaggagggcg acatcaagga 300

gtcagctatg gtggatgtgt ggctcgaggt ggaggcccat cagtacaccg ccgcgctgag 360

ccccattctc ttcgagtgcc ttatccatcc tatgcttggg ggagccactg accagacggt 420

catcgatgct aacctatgta agatcaagaa cgtgctggct gtgtacgagg cgcacctgag 480

<210> 6551
<211> 419
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316117a11b1

<400> 6551

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atttccagga ctaccacggc ctcccggagt tcagacaggc gatggcccag ttcatggggc 120

aggtgagggg gtggaaggcc aggtttgacc cggatcgcgt cgtgatgagc ggcggcgcca 180

ccggcgcgca ggagacgctc gccttctgcc ttgccaaccc cggcgaggcc ttcctcgtgc 240

ccacgcctta ctacccagga ttcgaccgcg actgctgctg gaggtcggga gtgaagctgc 300

tgccgatcga gtgccacagc tacaacgact tcaggatcac cagggaggcc gtggtggcgg 360

cgtacgaggg cgcgcggagc agcggcgtgc gcgtcaaggg cattctcatc accaacccg 419

<210> 6552
<211> 155
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316117b01b1

<400> 6552

tgggatatga ttctctgctt gatgcttatc aaatacagag taaactagta ggtgggaatg 60

gctgtaagtg tacattttag aacgcgttgg tatagtgctc ttaaaaaatg gacatatagg 120

gccattagct tctcttgtgg aggaaatcat tgact 155

<210> 6553
<211> 311
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316117b02b1

<400> 6553

tcggaccata tcaaagctgc ggcggtgcgc gcataggagg cgaatcagct ttggaaccaa 60

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gggaagcaga aggcttggag gaagaagcga aagtctgagc tcggtcgcca gtcagccaac 180

acttatctat caagcaacat aacagtgagg agggcccgcg ttcgttgagg ctacgtgaag 240

tgctgggcct ctccgtcttg acagtggaaa cttcttatgg gggagagagg ctgttaccag 300

taagacccgt c 311

<210> 6554
<211> 438
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316117b04b1

<400> 6554

accaatctta agcaagcaag aagaggaagc ggtcggtgga tgagcgtgag gtacatgatg 60

agccgggtgg gcgcgcgggc ggcgcaggcc gcgcgggacg ccgtctgcag gtccgccggc 120

aaggccgaca gggcgcaggc gcaggcgcat cagcagtcca tggccagagc cggcagggcg 180

ccggcggagt ctgcacgggc gaaggcgccg atggccagga aggccgccga tgagcggcgg 240

aggcgggcgg cccatgagga gtcgctccgc accgtcatgt tactctccat gtggggcccc 300

aacgcctagc agcgcgtgga ttagtaccga tgattatagt tagcagtgtg cgtgcgtgca 360

catggtttac gtgccgtgtg gctaaaagta acccttttaa gtttgtgcaa gcctgtgtgc 420

acaaggcgga tgtaaaga 438

<210> 6555
<211> 368
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316117b08b1

<400> 6555

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tgtgtcaacg cgctgaacct ggtcaaggtc caggtgggca ggccgaccgc gttgccgtgc 120

tgcccgctgc tggatgggct cgtcgacctg gaggcggccc tgtgcctctg cacagtgatc 180

aacgccaacg tcctcaacat cgtcaagctc aacctcccca tcaacctcag actcatcctc 240

aaccactgcg gcaagaaagc gcccaccggg ttcatgtgct aagcgatcta gncaggcgtg 300

ccatgcagcc cacgcatgcg ttggctgcat gcggccatgc tgattagtgg tgcgagaagg 360

gcattatc 368

<210> 6556
<211> 375
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316117b12b1

<400> 6556

acgtcattaa atacacgaaa aaaaaaaaaa acaaaaaaaa aaaatcacca aaaatgctgc 60

tggcaaacac aaaaaagaaa aaaaacaaac caacgggcgg ccatctttgc gcttcccggc 120

tttcgttcct ttgtttgcaa cgcgggggcg cctctttagg gggtcccccc tttactcccc 180

tggccgtggc caccttaccc ttttttttggg gctcccctgg tctaacccag ggcccgggct 240

ttgccaggca tacccttta aacctcttga tttcccccat tttatgcctt gcccttcgcc 300

ccccctttta acagcttgga ttatatgaaa aatgggccgc ccccttttct ttcccctttca 360

gtgcaccccc ctttt 375

<210> 6557
<211> 103
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316117c06b1

<400> 6557

cggacgcttg ggcggacgcg tgggcggacg cgtgggccca cgcgttcggg ccaatccgcg 60

tgcccggttc gtggtgaccg gccacagcct gggcggcgcg ctc 103

<210> 6558
<211> 458
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316117c08b1

<400> 6558

gtgtgttaga ggcatctatt ctcacaagat acgcggctgc catggtgaga accctctttg 60

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aggcccccgc gccggcgccc accagcgacg catcctcggt cgaccaaggc gttgcctact 180

ttctgatgat cctggcgctg gtgctcacct acctcatcca cccgttggac gcctcctccc 240

cgtacaagct tttctgagcc tgtatatgcg cagaggcttc tcattctttt gttcttcttt 300

ctgttgttcg ctgatcgata agctagtgga ttcttgagag attggttatg tgagattcga 360

tttgaattca ttaattcgtt gctcttgtac tctggtggat tcgcacgcat gcgtgcatat 420

ttttgttcca atgcttctca ggtctgttgc caggaatt 458

<210> 6559
<211> 432
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316117d03b1

<400> 6559

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cgtctccttc cgtgagactg ttctggagaa gtcctgccgt accgttatga gcaagtcccc 180

caacaagcat aaccgtcttt acatggaagc tcgcccattg gaggagggat tggctgaggc 240

tattgatgat ggccgcattg gcccgcgtga tgatcctaag gtgcgctcca agatcctgtc 300

tgaggagttt ggttgggaca aggatctcgc caagaagatt tggtgctttg gacctgagac 360

gactggcccc aacatggttg tggacatgtg taagggagtg cagtacctga atgaaatcaa 420

ggactctgtt gt 432

<210> 6560
<211> 490
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316117d05b1

<400> 6560

cccacttctt tcgcaagaat ggaaaaatgt ctcctggagc acagaatgag atgaatgagc 60

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aatatcccgt ggatccactt cagaaaaggg tgattcagct ggagaaggcc aaggcagaca 180

agaggagggc tgtcgaagcc gccaagccac agtcgaagag gccacgtgcc aacggatcgc 240

tctatgcacc ccgtgtcagc agcttccctg agaagagctt ctaccaggca acaccagaga 300

ggcacccata cccttacgaa aggcagtttg tgtacggcgc tgaggcccac caccacccta 360

cgatgatgaa cgcggctccc tacaccatct cacccgccca cacgccgtac tacggtaatg 420

gctacccggt gcagtaccag ataccttata tccactaatg ggggagagct acaatggctc 480

tttcctaact 490

<210> 6561
<211> 317
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316117d07b1

<400> 6561

aaacgggcga gatccctgat tatgcgccgg aggagaccat catgaatact tcaggaccga 60

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cttcggcccc agttgcttct gtgaggggga gtatcatgaa aaagatgcag tgatggcact 180

tctgctctct gtgggaacac aagtaccccg cggtttcatg gtcccagaca caatacgaac 240

actggctctc cgtgagacag atcagagagg ggattcttga acacacgagg cactattgtg 300

actctgctct gaggtac 317

<210> 6562
<211> 292
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316117d08b1

<400> 6562

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cgaaggctca gcaggatgtc tccttggctg gcgggggat tatctgtccc cgctcgtgta 120

tggtcttccg tgtatcatgg agttgagaac catgaggact gcgttctgag gttggcggcc 180

atcaagcaca agaggatgca ccggtttata tcctacaggc tgcaaaggat tggctggggc 240

tatgggggac agactggtga gcgcgaggga acatcctaag gcgtgatcaa ga 292

<210> 6563
<211> 245
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316117d11b1

<400> 6563

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taggttgtgg gggtggtgtg taaaatacaa ttgatttagt ttgtattagg tggttgattt 120

aggttttttt tttagtttgg tggctgattt agttgagcca acatctcatg tgtcaaatgt 180

tgaaagttac ttcagttcag aatcactata aacctaactg cggctgaaac tactccgatc 240

agctc 245

<210> 6564
<211> 457
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316117d12b1

<400> 6564

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ggctcaacgc ctacatccag ggtgggtact aggaccccgc cgttttgcag ggcgtccctt 180

tgaatgaact cgaataacga ccagggtgat gatgacgaaa taggccgtgt ttcttcgcgg 240

acaatggccg ttgaacttga atttgggtgt gtgatgtttt cctgcttatt tagtgtatat 300

ttccgtggcc gcgcgcgccg ccacgcactt gtttctggag cgtatagacc atccatctca 360

gctgatggtg atagacgcag aataaagctt gggagtgtcc tggaaaggat acttgagttt 420

cgccgtgcta aaaaaaatat taaannnaat taatttt 457

<210> 6565
<211> 389
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316117e01b1

<400> 6565

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ctaatccttc gtggaatgta agaatcattt gtgacagaga taaatacact tgtggtcact 180

gtacttgngg ccaaaaaaaa aaacaaaaaa aaaaaaaaaa aaaaaaaaaa agaacttggc 240

actacaagtg gaaaaactta aaagaagaat ttgaataacc gagaataaaa acaagaaact 300

atccatcaaa aaacaacggg ggggcttttt aaaaacccca cttttcccca cctggtcttg 360

taagaataaa ttttttttt aggggcccc 389

<210> 6566
<211> 416
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316117e02b1

<400> 6566

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aagcggctgc agcatgaccc accggccgtg atcagcggct cgccgcacga caacaacatg 180

atgctctgga acgccgtcat cttcgggccg gatgatacgc catgggacgg ctgcacgttc 240

atgcttacct tgcagattac agaggattac cccaacaagc cgtcaactgt tcgttttgtc 300

tctaggatgg ttgaccgata tatttatgct gatgggagca tcggcttgga tattgtacag 360

aatcagtggc gccctatata tgacgttgct gccatattga cttctattca gtccctt 416

<210> 6567
<211> 244

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316117e04b1

<400> 6567

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tatgttgcgt agcagaacga tgctttctgc ctgtgaatgt aaaacataag attgcctatg 120

tgtcacgact caaatggcat tgtcatctta aaaaaaaaaa aatgaactct taaatgaaaa 180

aaattggaat gaattctgca gaaataagaa ggcaaaatgg ccaatacaat aaatctggta 240

gtga 244

<210> 6568
<211> 500
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316117e08b1

<400> 6568

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catgcaggct agtgacatac agagtttgtc acagatttaa attttaatga gaagattggg 180

ctatgttcat atttctcgat agcattcgcg gcggaccagg cgagcggcct ggccgaacct 240

ggaccgggac gaacaaagag gcttttggcc ggaagtttct gtagttcgtc ggctgagttg 300

acccttgttg ctggctcagt ttcacttgcg cattggctgg ccatagcgag agaattttct 360

ccggccagga cgtgaaactg aagagacaaa tgatggggcg gaaaggttga cacgatcaag 420

gactgaaagc ctgataatac cttttagccc gaggttcata ttgtgaaaat accaaggagc 480

taaatagaag aatttggccc 500

<210> 6569
<211> 389
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316117e09b1

<400> 6569

atccatacga ggcgtacacg agcttgattt agaggggtc gggcagagct acaagagtgg 60

gaggcggagg ggagctggtc tacatcaaga tattgggagg cggaggggcc gtatggcgac 120

tagctgcgca acacagaagc aagcagcgac ggtgctacta cattatacaa ccgcgtcgac 180

tacgagagca ctcatgggaa ccttagcccg acgagacaac aacccctttt cccggttccc 240

cctgtcgcgc cggcgcctga ggaaactgcc ggtcgaaatc ccgaccggcg gacggtggac 300

aaagggctta ctgttagaac gcgcggcgta cctacctaat gcgagggcta caagaggggg 360

aggctcggac tccggcgctt agggcggaa 389

<210> 6570
<211> 505
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316117e11b1

<400> 6570

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actttggccg cgatgatgcc gacttcacct gggaggtggt gaagcccctc aagttcgaca 120

aggcatctgc ctaagaacaa gacatcacat tggggttatt cttggtctgc tgcctctcaa 180

gttcgacaaa ggcgggatcc ttttgctcct gggaagtaag aagaagcatt cgacatcacc 240

gcgacgtgct acactggtcg tgccgtctag tgatcagtgc taagttttct tactggtgta 300

tcatttcata tatttttcct tttctttttg agtctgctga aactgctgag tgatgtgcaa 360

tttgctctgt cacttcgtca ctttcacttt tcatattctg ttttgtgtag tttcccctca 420

taatgctctc ctcataatgc tctttcttcc agagtttaaa gagccatgtg taattctatt 480

gccctattgt tcccaaattg tcatt 505

<210> 6571
<211> 463
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316117e12b1

<400> 6571

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ttatactgca ccaacactta tccgttcgct catgcgtgat ggttccgtgt atgttgatcg 120

gtactcacgt aagtctctcc gagttttagg aagtgtgggt gagccaatta atccaactgc 180

atggaggtgg ttctataatg ttgtcggtga ctcgagatgc cccatatcag acacctggtg 240

gcagactgaa actggtggtt ttatgattac acctttacct ggcgcttggc ctcagaaacc 300

aggatctgct acatttcctt tctttggtgt acagccagtg attgttgacg agaaagggcg 360

ggaaatgccc ggagaatgca gtggatacct ttgcataaag aagtcatggc ctggagcttt 420

ncggactctg tatggagata aggacagata tgagacaaca tac 463

<210> 6572
<211> 535
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316117f01b1

<400> 6572

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aagcttgacg acaagcagag tgagagcaag tgtgctcttg tgtacgggca aatgaatgag 120

ccccctggtg ctcgtgctcg tgttggactg actggtttga ctgtcgctga gcatttccgt 180

gatgccgaag gacaggatgt gcttctcttc attgataaca ttttccgttt cactcaggca 240

aactctgagg tgtctgctct gcttggacac attacatttg ctgagggata ccaaccaacc 300

cttgctaccg acctgagagg gctgcaggag cggattacca ccacaaagaa gggttctatt 360

acatccgagc cagctatata tgtgcctgct gatgacttga cagatccggc ccctgctacc 420

acttttgccc atcttgatgc taccaccgtg ctgtcgcgac agatattcga gctcggaata 480

tattctgctg tcgatccttt ggacttcaca ttcagaatgt ngtcttctca tgttc 535

<210> 6573
<211> 346
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316117f02b1

<400> 6573

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ttcaaggggg ctggtgccaa catcctccgt gccattgctg gtgctggtga gctctccggc 180

tatgatcagc tccagatcct cttcttcggc aagaagtacg gctcaggcgg tgcctagagg 240

ggacgaaatg atgacgaaca agagaagttt gttcccagac ctacccttcg aggatctggc 300

gaacttttat ctttttaacg ttggaaggca ataattattg cagagg 346

<210> 6574
<211> 455
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316117f05b1

<400> 6574

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cggagaactt cgcggccctc gacgacgtgc cggcgtccga cgagcaccgg aaggcggacg 180

gcggcggcgc gaccgagcag cagcagcagg gggcggggcg ccaccggcgg gccatgtcca 240

tggccgtcgc ctcctccagg gacctcgaga tgatcaagga ggacgtcggc ggctacagca 300

actacaagat tggcgcctag attagtgcca ccggcggcgc gcacggccgg cgcggctcag 360

agcacgcacg tgtacggtgt tcgtaatacg tgcgtgcgcg cgtgctcggt ggcgctctcg 420

gcggagctgg ggcctcgcgc gcgcggctga gcttt 455

<210> 6575
<211> 76
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316117f06b1

<400> 6575

aaaaatttat taaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 60

aaaaaaaaaa aaaaaa 76

<210> 6576
<211> 460
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316117f07b1

<400> 6576

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aaccatttct ttcattgcct catgctatat tgtgctaggc cgccatttcc aatgggcagc 120

aatactggtt agtttgatag gtggtgttac aatgactggt gttcttggaa caatgacgta 180

ctttgtggtg aaatcaaagc gcatgaggaa gattagaaaa aaagagaaga tgtcaagaag 240

aagcggctca agctcctggg ttgatactga aatctcagag actgagctta atcaagtgta 300

tgccttgtaa agagacaggg tgtttgaact cagccttgcc tctgcaattg agaatgtaca 360

tgcttaatca agtgtatgcc ttgtaagaca cagggtgttt gaactcagcc tcatatctgg 420

aatcgagaat gtacatgaaa attccagatg cgcgcattac 460

<210> 6577
<211> 365
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316117f08b1

<400> 6577

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gatgggcctg cagtcggaca aggactggac cggcgacggg ttcgtcaagg agaccgagag 120

catggtctcc aactgatgcc gcaaccccgc ctgatctctc ggtctccaac tgatgatgca 180

actcagtctg atctgatccc ctcacgacga ccttcctttc caccatactt ccttccactt 240

gtgattaaac ccggacctat aaacgaaacg aaaagaacag tgggaacttt tgctgcacct 300

catcattcaa taaagcattg tagtgtaaaa aaaaatatta aaattaaaaa ataacccaac 360

aaaaa 365

<210> 6578
<211> 540
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316117f10b1

<400> 6578

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aaccactccg tcaccatcgt cggctactgc gagggtcctg gccagggaaa caagtactgg 180

attgccaaga actcatggag caacgactgg ggtgaacaag gatatgtgta cctcgcaaag 240

gacgtgccct cgtccacggg cacatgtggc ctcgccacct cgcccttcta ccccacggct 300

tgaccacagg cagcactatg tgtgatatct aaggaattgc ttccgtttcg ttgtgataat 360

gctaaattac tatttttgtt atacttccct ttaatttgat caataagcgg tagaccgtgc 420

gtgcgatagc atggcctgag tgtaataaat cgtcgtgtga attacacttt ctacaagtta 480

attgtacatt tctgacacat atttaccgaa ttaacggatg ccgtgtcgaa atatccatct 540

<210> 6579
<211> 486
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316117f11b1

<400> 6579

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tgtgaacaag aagttcagca accagtacaa ggctacgatt ggcgccgatt tcctcaccaa 120

ggaggtgcag ttcgaggaca ggctcttcac cctacaaata tgggatactg ccggtcagga 180

gaggtttcaa agtcttggtg ttgcattcta ccgcggagca gattgttgtg ttctagttta 240

cgatgttaac tcgatgaaat catttgataa tctgaacaac tggcgtgaag agtttctaat 300

tcaggctagc ccatcagatc ctgataactt ccctttttgtt ctgctgggta acaaagttga 360

tgtagatggc gggaatagcc gtgtggtctc tgagaaaaag gcaaaggcat ggtgtgcctc 420

taaagggaac atnccatact ttgagacttc ttgtcaggat ggaatcaacg tggaggaagc 480

ttttca 486

<210> 6580

<211> 402
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316117f12b1

<400> 6580

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ctggacgccg agtcggagag cgtgctgcag gaggcgctgg agcggctgat gaaggggcgg 180

acgacggtgc tggtggcgca ccggctgtca acgatccgcg gcgtggaccg catcgccgtg 240

gtgcaggacg ggcgcatcat ctagcacggc gggcactccg agctcgtggc gcggtccgag 300

ggcgcctact cccggctgct gcagctgcag aaccaccgca actgatggaa ggacctgatc 360

gatgccatgg gtggatggat ggatgggggc tcgatttttg tg 402

<210> 6581
<211> 452
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316117g02b1

<400> 6581

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tcggaggaag agcaagaagt ggtttgaccg tgattcattc tttatagttt gcattttgca 180

ggagaagcat ccacattttc tctctcggcc ataagaattt agtaaatctt catgtcttgt 240

taagtttccg atacatgttt gcgccacccc gtctgtagat cttacttata atcaaatcct 300

cgggcccctg tgctgcctga ggaggttttt ccgctgtatc ccatgaacga actttgtagc 360

ctgttttgct gaaatcatta cagaatccaa tgtgtttttt catcaagttt gtagttgctt 420

ctcaaaaaaa acaaaatcga cccctaacac cc 452

<210> 6582
<211> 72
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316117g04b1

<400> 6582

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attagatcgc ga 72

<210> 6583
<211> 349
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316117g07b1

<400> 6583

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gggctccagg gctaagatgt catctccacc ggccaacgtc gtacagatct gggaaccttt 120

tcaggatgca gatttgcaat ctctattcta aataagcaca tgatctttga tcacttgtta 180

gtgtgcacca ttcgtgtcaa ttcctatgtg ctactctgaa ctttatcact gtcatttggc 240

ttttaaaaaa aaaaaacaaa caaaaaatga aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 300

aaaatacaaa aacgcccctg tgtaaaaaaa ggaagatcaa aaccaaagg 349

<210> 6584
<211> 304
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316117g10b1

<400> 6584

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tttcagtcat gatgatgatg atatatatct cctaaataat tcattggcaa tattatgaac 180

ctatgccaca gcttgtgtct attacctacc ctagttcgtg gtctctgttg tcccgggagt 240

atttccttgt attgatgttg gaattacctt catggcagtg ggtttataaa tatggagttt 300

gaat 304

<210> 6585

<211> 199
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316117h02b1

<400> 6585

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gttctagtgg agttataccg agtttggacg cacggcgagg atgtgattgc cttcgtgttt 180

tacccaggtt cccctaact 199

<210> 6586
<211> 412
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316117h07b1

<400> 6586

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atcagatgta taggtttcag atgaacatta ctccattatt agtatcactc tttaaaaata 180

gagcatatac tgatgctaaa aaaaaaaaaa actggaagaa caaaaaaaaa aaaaaaaact 240

aaaggggaa aaaaagaaaa aggaagaaga aaacaaaaag gacaaaaata gacaaagggc 300

ggagaaaaac atatacactg aatggaaaaa aaaaaataat aaaggggcg gccctttag 360

agaaccaaac ttttttcccc ggggttggga agataaaagt tttttttag gg 412

<210> 6587
<211> 450
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316117h09b1

<400> 6587

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gttcatccag accgtcttcc ccgagaactc gtagcgcctc ggcccaccac catccctcaa 180

ccagtgaacg ctccatttcc ctgccatggc atgatcctgt gtagagaacg aggaacgagg 240

gcgtccgcag agggtcttct ggagggctgg aatttttttt tcaagcatga gcacaaacca 300

tgtctttatt ctgggaataa aggtggcatg gctgggttat ggagcatgga gaatccaccg 360

gtgtcccgct gtggaagaga ggaagagcgt ccgactttct gcgcgaatat gtgtgtccgt 420

cgagatcaag agcgatgtgc tgggcatctg 450

<210> 6588
<211> 496
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
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<400> 6588

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ggacatgccg ggcatctcat cccgcggcgg tgctgtgctt cgggtggaca atggggtgac 120

agaagggcaa gaagcaagcg aaggagttgc gctacaggca gtgccggctg aggggcccaa 180

gaagaccacg ctcatggcta gctgctatca gcagtgcatt gcttatatcc actacccata 240

tatttttgaa tcttgcatga gtcagtgcca cccaaccgct ggaatcgtcg gcgtcttggg 300

ggatgccaag aagacgntgc agacgaaaca gcagtagcag caagaggagg caacaggagg 360

aggatttggg gtcctggcaa tgccaactga gcatgccggg cgggaataag aagggaagcg 420

gaagaggacg cctgggcccg gcaccatctt catggccatc tgacaaccca agatgggcga 480

cccccgcgag tacatg 496

<210> 6589
<211> 501
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316118a09b1

<400> 6589

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gccagccagc aatggcgatg cagccgggcg gcgaggggga gacgctgatg cagcggtgca 120

agccgtacgt ggcgatgatc tcgctgcagt tcgggtacgc cgggatgaac gtgatcacca 180

aggtgtcgct gaaccacggc atgagccact acgtgctggt ggtgtaccgc cacgccttcg 240

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ggatgacccc cctcgtcttc ctcaacatct tcctcctcgc cctcatgggc cccgtcatcg 360

accagaactt ctactacgcc ggcctcaagt acacctcgcc caccttctcc tgcgccatga 420

gcaacatgct ccccgccatg accttcgtca tggcggtcat cttccggatg gagaaggtgg 480

accttaagag gccaggtgca t 501

<210> 6590
<211> 550
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316118b03b1

<400> 6590

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aacctccaca agcgcctcca tggctgtacc ttcaagaaga aggcacctaa tgccatcaaa 180

gagctcagga agtttgcaca gaaggctatg ggcacgacag acgtcaggat cgacgtgaag 240

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gttgccgagg tgcctgctga gggtttgaag gggctgggaa ccaaggtcgt cgatgacact 420

gagtagactc ttttctttat ctacatcgtt agaatgagct gttatttgga attgcaccag 480

catgcttttt gtatcccgca gagttttgga gatggaatat cggagctatt attttcttat 540

ctaaatttga 550

<210> 6591
<211> 516
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316118b04b1

<400> 6591

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tcggggatgg gcaaggtggt gtgcgtcacc ggcggctcgg gctacatcgc ctcctggctc 120

gtcaagctcc tcctccaccg cggctacacc gtccgcgcca ccgtccggga caccgccgac 180

cccaagaaaa cattgcacct gcaggccctg gatggagcca aggacaggct gcacttgttc 240

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ttccacacgg cttctccctt ttatcacaat gtcaaggatc ccaaggctga gttacttgac 360

ccagcagtca atggaacact caatgttctc cgttcctgca aaaagccttt ataagagagt 420

gatcaaacgt cgtcatggtg ctgttgctac aatggaaccc agactcctga tgggtagtga 480

tgagacatgt tttcagtcag agtctgtgaa agatga 516

<210> 6592
<211> 77
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316118b05b1

<400> 6592

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ccggctgtag atcgtga 77

<210> 6593
<211> 250
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316118b07b1

<400> 6593

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gacctgttta aggggccgtt ccatttctga agctaacaaa ctttaagtcg ttgatttgcc 180

tgcgatttga agacgtcgta gctgcatctg ctctggttaa tttcagtgca tttgcggctg 240

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<210> 6594
<211> 457
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316118b10b1

<400> 6594

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gatggatggc cgtccgcccg tgggagagtc ggttccttgg catgtacgca gcagatggaa 180

ttgccattga taccggagcg cacaatgctg agggaaatgc aaccaaggct ccatacagga 240

aacctgtgaa aaagcaggtt tcagctcttc attcaagtgt gttgatccag aaggcccgcc 300

cctcgaactc ggagggtggt ggctccttgt cgaacccgtc tgccggttcg gcgtcagcta 360

aaccgaaacg gaagctgcca ccaaaggaag gttctgatga agtctcgtct cgtctttcgg 420

gacttggtgc ccggagcagt agtaatccta aggagag 457

<210> 6595
<211> 76
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316118c03b1

<400> 6595

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attgtgccac gcgtcc 76

<210> 6596
<211> 402
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316118c04b1

<400> 6596

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gaagcgccga aagatgaggc agcgatccaa gtaggcgcct tggagcagcg gaagcatcat 180

cctacatcca ggctgccagg caccgaggga tgacggcatg gtctagtgat tcctggcgtg 240

tttgctgcta tggctgtgga agctgtttaa cctgtgttat gtccaattta gctgtttaat 300

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tgactgaatt ttatgcacct attaattttg cggcgtctaa na 402

<210> 6597
<211> 543
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316118c05b1

<400> 6597

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gtactgggtc ggcccccctca tcggcggcgg cctcgccggc gtcatctacg agctgctctt 180

catctcccgc acccacgagc agctccccac caccgactac taagcagcga gcttaggatc 240

ggagtcgccg tccatccgtc cgtgtgatgc ttcgtctccc ccttccttcc cgtcatcagt 300

cgttttagtt tctcgcgcgg tcgccgcatg ccatgatgca tgtatgcgga gctcgcctcg 360

tttgctttga atcaatcagt cctgggatcc gtcgatcggt cggtcagtcg agtcagtttg 420

tggtgcgtgc gtggagctgt aaaagcgtgg atgatctcga tctgggatga ccgacccagt 480

caatttgctt ctgtaaaact gtgaattcgc ctgcccgagt aatttcaagt tcagttgagt 540

tgg 543

<210> 6598
<211> 506
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316118c12b1

<400> 6598

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tcaacaccaa cgtctacggt aagcagaaga tcatgtgcgc gctgacctgc atcaagggtg 180

tgggccgccg attatccaac atcgtctgca agaaggccga catcgacatg aacaagaggg 240

ctggagagct ttccgcggag gagatggacc gcctgatggc ggtggtgcac aacccgcgcc 300

agttcaaggt gcccgactgg ttcctcaaca cgaagaagga ttataaggac ggcaggttct 360

cccaggtcgt cttcaacgcc agggacatga agctcaagga tgaccttgag aggctcaaga 420

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caaagactac ctgcaggaga ggaaag 506

<210> 6599
<211> 438
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316118d05b1

<400> 6599

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cgtcgtcgcc ggcgaggact gtggcgaggg acgctccaag ccctgccccg acccatacct 180

ccgcgcgctc gccctgctcg gcgcgtcggc ggagcggtct ctggtgttcg aggactccgt 240

cgtcggcgtg caggccggcg tggccgcggg gatgccggtc gtggctatcg cgagcgagag 300

ccgggaggcc aaggtcgtcg ccgccggcgc gtccatggtc gtcagggact accgcgacgc 360

caagctctgg gccgcgttgg acgccgtcgc cggagctccc aagatagatt cagagctgag 420

cctgagcgcg gtggagcc 438

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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316118d09b1

<400> 6600

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aagagccatt gatgctctgt ggaggacttc atgaggggg ggtcttttga ggggccccct 180

tctttcgctg ggggggcggc cgatcttttg ttttttttt tgggggccac catttgaaga 240

actggcgccc cgtgttgcag gcctgatgcg ggggtagctc ccgcggggcc taattttggc 300

gctggccggc gtctcccttt gtcgtggctg ggaaaaccct gggggggc 348

<210> 6601
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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316118d10b1

<400> 6601

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aagaagctgt acagcgtggt gcgggactcg gcggacgtgg aggtggaggt gagccggttc 180

cggccggagg ggtgcaagtg ggagtcggtg acggagctcc ccgggagggc ggtgtttctg 240

gggtcggtgg cgtcggttgg cggctccggc gacggagggg gtccgggaga actgcgccta 300

ctttgagcgg ttggacgtgg ggctgatggt gtcgcaggcg aagggaattt tc 352

<210> 6602
<211> 489
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316118d11b1

<400> 6602

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cagctgctcg gccgtggcgg tcaagtatgg actcgtcgct cacaagggaa gaaagggagc 180

aagccagcgt gagagcggca tttgtgcaag acttgctgct ctccacccta ttcagagacc 240

aataactcag aggcgagccg atgttaccgc tacccgggtg ccccctggac cctgatgcag 300

actccgaaag gtcggtgccc ccagaccaag ttgccgaatg tgacatccat ggaagataga 360

tagggtttgg caccccagca aggaaggaag gaggtgcatc agagtcgatg tgggcatgag 420

gtgtcctaag ttatttgtag ccggtctttg agttggcagt taccgcgatc tctgcaagcg 480

atagatgtc 489

<210> 6603
<211> 298
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316118d12b1

<400> 6603

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tcggattacg atgacgacac cggccgggcg aacctgaggc gctcgctgtc ggggagctat 120

gatctcgcat cgacctaaga gccacacctg atgacataca tgagcttcgt gtgggacggt 180

atggggtagg gcttcgctca cccggagagc tacctgtggg ggcttgacga ggaggcacaa 240

ttgtcgatcg gcactatcga catgtaggcc gacatactaa aggtgaaaag ggaacagc 298

<210> 6604
<211> 455
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316118e02b1

<400> 6604

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acggaggcgt tcccggacct gggcgcgcac tgcgacaggg aggactgcaa ccagctcgac 180

ttcctgccct tcgactgcga cggctgcggc aaggtgttct gcacggagca ccgcgcgtac 240

gttgagcacg gctgcccgcg cgcggccgac cagggccgca ccgtcgtcgt ctgcgaggcc 300

tgcggcgact ccatcgagcg cgacggggcg gacaagacgg atgcggagat cctcgagacg 360

cacgcgcggt cgcgccgggg ctgcgacccg gccaggaaac tcaagccgcg ctgccccgcg 420

cggcggtgca aggagacgct caccttctcc acacg 455

<210> 6605
<211> 74
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsro9316118e03b1

<400> 6605

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ccaagatttg tttg 74

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<211> 392
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316118e05b1

<400> 6606

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gggtacaccc tgggtctaga tttggccacg gcaacgttcg tgatactaca gctaccagct 180

ggagtgcggt acaattacat gctctcatcc gcggagggtt ccgggatcta tcttgtcact 240

gcggaccggt ttcagctcag cgtgtggctt catcggatga caggtgacaa ccatggtgca 300

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gacagtttgg gtgccttgtg aatattttaa tg 392

<210> 6607
<211> 546
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316118e09b1

<400> 6607

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tatgatctag tagaagtcaa gccccaattg gattacattg ctaggcacat aaaattccag 180

tcaagggaaa agtggtgcaa gaatgagttt gtcatctccg tgagtgagac agccgatgag 240

ttcaggtgcg agtgtggaac atttgagcac tatggaatgg tttgcagtca tgcgcttaag 300

gtcatgatgc acctaaaact gcatgagctc cctccgaaac atgtgctcaa gcgatggact 360

agagatgcaa gagatatact actgccggag tatttgcgct accagaagga ccatgggcct 420

ctgaagtatt cttctcatcg acacaacact ttacacttgt tggcagtgga tgtggttaag 480

ttaggtgaca gcaatgtgga agcatatgca cttgcattgg agaaaatgcg agatgtcaaa 540

gtgatg 546

<210> 6608
<211> 465
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316118e10b1

<400> 6608

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tgcctcaagg agtggaatgg tgagccgcta cctatctgct gaacgacgta tgagaaattg 180

aagagaagat agtgtgcttc agatttcaaa gaatccggat gttcttagtt gacaagtgat 240

aataatgctt ttcattgtat tctctagaaa tgttatgttt tgaaacttgc tcttacagag 300

ctgttctttt gttgccaaaa atttcaacta gattgtttaa gtggtatata accaatacaa 360

cttctatgat gtaaggtaac agcgtacaat atatggtaag tattcgtgat aaatgtactg 420

gttccttttt tgagatcaaa tggtccggtg gaggcacacg gcatt 465

<210> 6609
<211> 476
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316118f01b1

<400> 6609

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ccaagcagca caagggcgag ctcgaggcct ccgccgccac cccctacgac ctgcagcgcc 180

agctcgtctc cgccgcctgc gccgaggaca agtccggcgg cgtccagtcc tccttcacca 240

tggtctcccc caagtccgcc atcttccagg tggtcattgg tggtgcctct gctggtccga 300

tcggtggtgg tggtgctgct ggtggtgccg cagcatcagg cggagcttgc cgtgaggccc 360

ccaaggctga ggagaagaag gaagaagaga aggaggagag cgaggaccac cttggcttct 420

ccctttttga ttagatcttt tttaccactg tgcttcgcag aaatgacatg gttcta 476

<210> 6610
<211> 570
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316118f04b1

<400> 6610

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gtggagcacg ctgctgctac ctggtcatgc tctcagcagt gtgaatctcc agaagcatgc 120

ttgccgtgcc ttcttccggg tgcaccggag gctggcatgt gagcaggggt gcttcagtga 180

tgcagaagaa aaaaggcaag tcttatcggc aagggaaggc tacgcctttc ttccaggtct 240

ccctctctcc atctaaatct gtgtttggag gaggggggcta cggttagttc acccaccggt 300

ttactgtgtc cttgtgagtt gtgatcatta tcatgcactc gtcagttgct tgacatgtat 360

ggtgtcgttc ttgaattttc agctacatat aatggtcggt tgtgtgagtg aatgggagtg 420

tgttcatgtg tcggtctgtg tgtcgactgt cactgtgagt caattagcta aaagaagtgt 480

gatgtgtggg ttcagcgagg gagtaacagt cacttgataa gaatgtaagt gtcctatcat 540

atatgtattg cttaaatagt aacatgtaac 570

<210> 6611
<211> 428
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316118f06b1

<400> 6611

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cctaccgcga acacgtcggc gatgagctcc tccaacggca acggcgggaa gaagccggcg 120

ccgtccggcg ggcgcggggg catccgcacc ctcgccgaca tcaaccgcgg cccctccgga 180

ttcccaggcg caggcggcag cggcagcgac tccgatgagc cccaggagta ctacaccggc 240

ggcgagaaga gtgggatgct tgttcaagat ccaacaagga gaaataatgt ggactcaatc 300

tttgagcaag ctagagtgat gggtgctcag caagttccac tgccttttt tgaaggccaa 360

tcttccagct caaccagctt tgcaggaaca ggtcgtctgc tttcagtgga tgcgcagaca 420

gcaccagc 428

<210> 6612
<211> 62
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316118f07b1

<400> 6612

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ga 62

<210> 6613
<211> 98
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316118f08b1

<400> 6613

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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aacacaag 98

<210> 6614
<211> 509
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316118f10b1

<400> 6614

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agttaaggct tcggtcatca tttgcttcac ctcatctgga cgggctgcaa ggctaattgc 120

caagtacagg cccaccatgc ctgtcctctc tgttgtcatt cctcgtctga aaacaaatca 180

attgaagtgg agcttcacag gtgcatttga ggcaagacaa tcactcatag ttagaggtct 240

ctttcccatg cttgccgatc cacgtcatcc ggctgaatct actagcacta caaatgaatc 300

agtgttgaag gttgctcttg accacggcaa agcatctggt gtgatcaagt cgcatgaccg 360

cgtcgtcgtg tgccagaaag tgggagattc ctctgtcgtg aagatcattg agctggacga 420

ctaggcaaaa ttagcctttg ctcagggctt gccagatttt tgactaggcc aaaacgttgc 480

ttggtggcta tgtataattc tatctatag 509

<210> 6615
<211> 304
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316118f11b1

<400> 6615

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cgagcggggg gattaaaaaa aacggccgcg agcatgccac gtcatagcat aagaaacccg 120

acacccaaac tcaagccact ggccgccgtc ttacaacgct ggagacaggg aaagaccctg 180

gctaaacaaa atgtaatcgc ctggcacaac attcctcttt cgacagcagg tgaaaaaact 240

aataggcccg aacggaccgc ccattccaac acttgcgcag actgaaagga gaatgggacc 300

caca 304

<210> 6616
<211> 532
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316118g08b1

<400> 6616

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agatcaacat atatcatgca tgtaacaacc agaagcaaga gggaggagaa ccggagagga 120

atatagagct gtatgtgcag atgctataag acgatggcac ctagggcagg agagtgctgg 180

ctgtgtgcca cgcattgcct cttgaacaac tcctgctccg ccggcgcagc tctccccctc 240

ttctctccgg cgatgtcgac gccaaacagc ctcacgacac ggacttgttc tccattagct 300

gcctccgcca caggcggaga cgccgttgca gcgccgccgt cagcggggca gctcgccatc 360

gtcttgttct tcttgcagtc gatgaagaac tgcttctttt gaccgtacgc cgagcacgag 420

aacacgatgg aatcgccggc accgaggccc ttctcccgga caaagcggct ccaacccttg 480

gtgaggacgt agctcttgct gctggtccag tacgagtacc cggaacctca ca 532

<210> 6617
<211> 312
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316118g09b1

<400> 6617

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agtgcaattt attgttttgt gagtagatgt atgtataatg atgaattgtt tgtcttgtta 180

gtgtttcttg gttttcaatt attgtttgtt gttatttttt ggtttataaa gaagaatttg 240

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tagttgtttt ta 312

<210> 6618
<211> 71
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316118h03b1

<400> 6618

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ttcttctgat c 71

<210> 6619
<211> 509
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316118h04b1

<400> 6619

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gacatggggg tgcgcatcgc cgcgcggttc cactcccact gcccgcagac ggcccggatg 180

tactaccacc ctcccgcctc ctcctcggcc gcccccggcg ccggcgacgc cggcgggatg 240

gtgcccggcg aaggaggcgc cgtggccatg gccatgatga agaggcagca gcgggccgcc 300

atcgacgcca cggagattat tctctacacc gtcgtctagg ccggctgctg ctgcgctcat 360

ccggatgtat cccgccattg aagagagaga gagagatgct atcttctttt attgtacttt 420

tggtttattt tcgaatcgag gagagggaga tgaaatatgg gagagaatgt tcaattgatt 480

gaatgaatgg attgaagaac ttgcgagtt 509

<210> 6620
<211> 539
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
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<400> 6620

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gcggtgtacc tggcggtgct gatcgagtac gaggacatgg acggcgacgt gatccaggtg 240

gacatgaagg aggccaagtc ggggtcgtgg atggccatgc gcgagtcctg gggatccatc 300

tggcggatgg actccaacca ccgcctccag gggcccttct ccatgcgcat caccagcgac 360

tccggcaaga agctggtggc caacgatgtc atcccggcca actggaggcc caacaccgac 420

taccgctcct tcgtncagtt cagctgatcc gaccgaccca tgggcagcca cgtgcgcctg 480

catcatgcat gcatgcgctc tggcccctct gcttgctacg gattaaatca ctcgccgat 539

<210> 6621
<211> 298
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316120a05b1

<400> 6621

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gttagtaacg tctgtaaata gcatgattac tgcctagctg ctatgtgcct attttctcta 180

aaaaaactga gacatgtttg agctgaaaaa aaaaaaaatc ttaaaaacaa aaaaaaaaac 240

aaaataaaaa ataaaaaaaa gcaaatgaaa aaaaaaaaaa aaaaaaaaga ataaagaa 298

<210> 6622
<211> 78
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316120a06b1

<400> 6622

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actgcaaaaa agaaaagg 78

<210> 6623
<211> 79
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<223> Clone ID: uC-tsro9316120a07b1

<400> 6623

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gttcggttct agaacggga 79

<210> 6624
<211> 65
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316120a09b1

<400> 6624

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cgcga 65

<210> 6625
<211> 68
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316120a11b1

<400> 6625

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cccagtac 68

<210> 6626
<211> 304
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316120b01b1

<400> 6626

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caccctcaat acctctcttc agggggggcct ccttttcgtg gcccccattt ccccccccc 180

gttccccgcg cgttattttc ttctatgggg cccccataat ctatttccct gccccccttt 240

taccccccttg tgcccttgaa aacccccgcg ctccccccca ctattcccct tcgtaacact 300

cccc 304

<210> 6627
<211> 302
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316120b02b1

<400> 6627

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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa agggaggaca 120

gagggggggga cgcttgagag ggtccgggtg aacgcagggg ggaaggtaaa gcaaggggtt 180

ccctaaaggg aaaccaaagg ccagtggatt ggcgggggggt gtcaggcgag gggatgggga 240

aaacccgggg gatacccaac gaaagcgcct tgctgaaggg gggccggtgg gatagctggg 300

gg 302

<210> 6628
<211> 206
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316120b08b1

<400> 6628

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gtggttgagt gcaggatttg caaagcatct accaaactag tctttggttg tttacagtac 180

tgagatcttg atctcgcgaa cctagt 206

<210> 6629
<211> 411
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316120b09b1

<400> 6629

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aaggtcgccg gcgaccaggg ggagctcgtg ctcgacggcg gcttcaccgt gccggactcc 180

aacgccttcg gccacacctt cagggactac gacgcggagt cggagcggaa gaagacggtg 240

gaggagttct atcgcgtgaa ccacatcaac cagacgtacg agtttgtgca gcggatgcgg 300

gatgcatatg ggcggctgga caagacggag atgagcatct gggagtgcat cgagctgctc 360

aacagttcat agactacagc gaccttgacc tggacatgcc aagattgagt a 411

<210> 6630
<211> 388
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316120b11b1

<400> 6630

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tctggtggtc acaccctggg aagatgccac aaggagagat ccggctttga gggagcctgg 180

accgccaacc ctttgatctt cgacaactct tacttcactg agctccttag tggggagaag 240

gaaggccttc ttcagttgcc gaccgacaag accctcctga ctgacccggc cttccgccca 300

cttgtggaca aatatgctgc ggatgaggat gctttctttg ctgactacgc tgaggcacac 360

ctcaagctct tcgaattggg atttggcg 388

<210> 6631
<211> 519
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316120c02b1

<400> 6631

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aataaatggc cagcttgtgt tcttgtgagc agaagaaaga atgctagctg ctcatctcat 180

ctggcttgct tcaagtcatg gtattcagtt atttttgga aaatgatatt ccatgtgcct 240

gcttactgga gcacacggcg tcgatcatgg ccaaattaat gcagtgaagt tccaagatgt 300

catcatcacc agagacagaa ggagaggagc agcattcact gcactctaca ccatgcatcg 360

agcagctcaa gatgctcttc aaatgatgag cgcttcttcg ccatcgactg taggatcttc 420

ttttgtccca gacttgggta gcaccgtgtg tcgatcggct atgggaagat gaccaaggtg 480

gtagactggt agtggtgtat tgaatgggtg cagataaaa 519

<210> 6632
<211> 168
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316120c03b1

<400> 6632

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tcaagaataa aaataaaaag taggcggttg ctggtgttgc gagtcatggg tacctatcgt 120

agaaacgaac tggttcgctg tcttatagtg tccacgaagt tcccttga 168

<210> 6633
<211> 82
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316120c04b1

<400> 6633

gacgtcaatg tgaaccaaga gtggctggtg tagttaaatt aatgagcttg ggcattgctc 60

gatgttactg tgaaaaatgt gt 82

<210> 6634
<211> 167
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316120c08b1

<400> 6634

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aagcatcaga gagcgagaga aaagcaaggg ttgcatcggg agaggagaaa ggagaagcgg 120

gccaggatgt gtggcggagc gatcctcgcc gagctcatcc cgggggg 167

<210> 6635
<211> 54
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316120c11b1

<400> 6635

tcttccacgc gtccgcccac gcgtccgccc acgcgtccgc tagttctaga tcgc 54

<210> 6636
<211> 388
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsro9316120c12b1

<400> 6636

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attgcacaca tgtacaagag cgaccgtgca aagtatgagt ccacagcgag gagctggacc 120

cagaagtatg caatgggctg accctggtag ccgcgggtgg aggatgatgt tggagccatc 180

ttcgcttgta acacctaatg tatctttgtt cctgttctgc tgctgctata tgggattgta 240

ctgtccacct gactgaattc aagtgtcata ttgtgaagtg atggcaaaag gcctctaatg 300

ggtctatggg tgcacccatt caacaaatta atagagatgg gaactgaaaa atntatatta 360

cattactttc tctctctctc ttctgaat 388

<210> 6637
<211> 334
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316120d01b1

<400> 6637

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gacgtcgatg gactcgatgt actcggtgtc gccgccgccg agcagcgtcc cgatgccgac 120

gtcactgctg ctggccgccg gcgccgggcg gaagaagatg ccgaccccgt gcgccgtgca 180

ggtggctggc gggggcgtgg acgtcggcgc caccgacgag ctccgccgcc tgctccggct 240

ctagccaccg ctgctgttgc tgtgtgatgg gccgatggca aggcgaggga gctgcggatg 300

gatgtagccc gtttatatgg atccggggag tttt 334

<210> 6638
<211> 394
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316120d03b1

<400> 6638

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aagaggaaga agaagaagca gtgtggagca cgctgctgct acctggtcat gctctcagca 120

gtgtgaatct ccagaagcat gcttgccgtg ccttcttccg ggtgcaccgg aggctggcat 180

gtgagcaggg gtgcttcagt gatgcagaag aaaaacggca agtcttatcg gcaagggaag 240

gctacgcctt tcttacagga cttcctctcc tccattaaat ctgcgtttgg aggaaggggc 300

taccactttt tgtcctatct atatactagc cttctcgctt ataatgtaaa ctgtgttcct 360

ctcgcacatt ccgtgctcta cttacctttt tttg 394

<210> 6639
<211> 316
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316120d04b1

<400> 6639

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tataaacaat gctgccgatg ttgttcactg aacctgataa gtttttgatc gtgcaactga 120

aagtaacatg gccgttcgga gccaacgaat ttctgaggag gagaccatga ggagagaccc 180

aactgtaatg cccgactacg atatctgggt gtacacaggt gccgtgatga caaactgacg 240

gggaccaaag atgatttggc gcagctggcg gcttagattg aagaggggct tgctgcctct 300

aggcctaaac ttggct 316

<210> 6640
<211> 89
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316120d05b1

<400> 6640

atattaaaaa acaaaaaaaa aaaaaagcgg gcgttatata aaatacaaaa ctaccaaaaa 60

aaacaaaaca aaaaaaaaac tataatatg 89

<210> 6641
<211> 76
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316120d06b1

<400> 6641

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cacataatac gcttgc 76

<210> 6642
<211> 51
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316120d07b1

<400> 6642

tcgtagacgc gtgggtgcga gggtaaggtg gagggagaga aaaagcccta t 51

<210> 6643
<211> 396
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316120d08b1

<400> 6643

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gtggatgaat gatgtgtcag ccaagactca gtctcaggaa tgagctccag caaagcctgc 180

cgcttccgtc tgacttttt tgccttcgag cggatggcca tgttgactct tgcggtcatt 240

gtaactctga atttagctta gattagtgcc tagattgtag atcctatgtg tgtaaaatgt 300

ttgcagtcta ggccttgtat cgctgtaaca ttgccgatta gaatggcagc tgtgtatcgc 360

tgtaacattc cgtgttttta tttacctttt ttatgg 396

<210> 6644
<211> 358
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316120d09b1

<400> 6644

tctctgaggt ggaggagaag gagtcgggca aggcggagga gccggagcac gagcagtacg 60

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tgttggactg gaaatgtgat ggtttcgagg gacgtccatt tttaccgcgc gaaaacgcat 180

atcatcgtga tacgaggttt ttgtcagtgt aatgtactgt acctagtttt gtttttaaaa 240

agttaaatga taccctagct agttcaaatt aaaaaaaaaa aaagtataat aagaagtggc 300

cttcatgttt aatcaacttc aactggtata tatcttcagt tatcatactt aaacttcg 358

<210> 6645
<211> 524
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316120d11b1

<400> 6645

tgatttgctt tatggtgtgc gatttgagtc cttaaccagc catcagatga ccaatacaat 60

tcaaaagaag ttcaaagtat catcaactca gctgctgtac caatcatgcc cataccaagc 120

attgaccctg ttcattgttg gtccattcct ggatggattt ctgactaaca aaaatgtctt 180

tgcttttgca tacacacctc aagttctgtt cttcatcgtg ctgtcgtgtc tgatatcaga 240

ctcggtgaac ttcagcactt tccttgtgat tgggaagaca tctcctgtaa cttaccaagt 300

ccttggccat ctaaagacgt gcttggttct tgccttcggc tatgtcttgc tgcacgatcc 360

gtttagctgg agaaatatac ttggaatcct gattgcagtg gttgcgatgg gattatattc 420

atacttttgc acccgtgaag ctccaaagcc cactgaagcc tctccacaag tcattcaggt 480

gaaagaaggc gaatcagacc ctttgatcgc agactccttg aacg 524

<210> 6646
<211> 398
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316120e02b1

<400> 6646

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ctagctagcc atggcatctt ccaagagtag tcttgcaatg tttgcactgg ccatagtcat 120

ggccgtggtg gctgacgtct cggcgcagaa caccccgcag gacttcgtca acctgcacaa 180

ccgcgcccgc gccgtggacg gcgtcggccc cgtggcatgg gacaacaacg tggccaggtt 240

tgcgcaggac tgggcggcgc agcgcgccgg cgattgccgg ctgcagcact ccggcgggcc 300

gttcggcgag aacatcttct ggggttccgg gcagtcgtgg acggccgccg acgcggtgaa 360

gctgtgggtg gacgagaagc agaactacca tcttgaca 398

<210> 6647
<211> 211
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316120e04b1

<400> 6647

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tcaccgggga tacggcgcgc gagtgcacca tgatttagac agaaccgctg atgctgttgt 120

gtgtccctgt ggagagcgtg tgcgcacaca tgtggtaatc atgggccttt tgggccatag 180

ttgttctgtg gaggagacca tgtcgaaaga g 211

<210> 6648
<211> 82
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316120e05b1

<400> 6648

cttacgcctc cgttccgcga gcgcacggtg cgcggggtat acggagtgct ggccccggac 60

gcggagcagg ctggtgcctt cg 82

<210> 6649
<211> 500
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316120e06b1

<400> 6649

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ctgctgttgg cgtgggtgag caccgtggcg cgcaaccttt cgctgctggg gacggcggcg 180

aacctgatcg tgtgcgagca ggcgcgccgg gcgccgcgca acgcctacga gctcaccttc 240

tggaaccacc tgatcttcgg cgtgccctgc acccttatcg tcaccgtcgt cggtgttccc 300

ctaatccgaa agatgtagcc accctatcca tctacgcagc agcgtcctcg tcatcgtcga 360

ccgacgatcc aactatatgc aatatacact ttccttatat ataccagcag gctgtccata 420

tgtacgtgca tacacaagtc catatacagg cactttgttc gtacgtacgt attgtgcata 480

gcctccgctt tcgtatgtga 500

<210> 6650
<211> 410
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316120e11b1

<400> 6650

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tagggtttag tagtagcggg gaagaggaag gaatggtgga cgtcgagtac cgctgcttcg 120

actgcggact cgcctgggcc accgacgacc agtccctcca gaacgccttc tccaagtacg 180

gcgacgtcat cgactacaag atcatcactg acagggagac ggaccagatc ccgcgggttc 240

ggtttcgtca ccttcgcgtc gtacgaggcg atgcgccagg cgatcgaggc catgaacggc 300

cagaacctga acggtcgaat catcaccgtc atcgaggcgc agtcctgtcg ttcctgcgga 360

ggatgctgcg gccgcttcgg cggtggcggt ggcagctact gaggccagcg 410

<210> 6651
<211> 79
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316120f08b1

<400> 6651

ttgtgactga tcgttttggc atgccaatgc aagcataatc ggtcccaagg aaactagctg 60

acccccttcga ctttggtgg 79

<210> 6652
<211> 465
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316120f12b1

<400> 6652

ttcgcttgac tccttggaag cagagagagg aggaggagga ggaggaggag gagaccatgt 60

cgtcgtccgg tggcaagctc ttcaccctgg aggaggtcgc caagcacagc tccaaggacg 120

actgctggct cgtcatcggc ggcaaggtgt acaatgtgac caagtttctt gatgaccacc 180

ctggaggcga cgacgtcttg ctgtcttcaa ctgccaagga cgcgaccgac gacttctagg 240

acgtgggaca cagcacaacc gcccgggcga tgatggacga gtactacgtc ggcgagatcg 300

acgcgaccac gatacccacc aaggttaagt acacgccgcc caagcagccg cactacaacc 360

aggacaagac ccccgagttc gacatcaaga ccctgcagtt cttggtcccc ctcgcgatac 420

agagcctggc cgtccgcgtg cggatctaca ccaagggaga ctttg 465

<210> 6653
<211> 330
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316120g02b1

<400> 6653

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gatgcaccat tttttccgcc agtcggttcc gtacaaaaaa tcattcattg attgttggtc 180

tgtaaaaagg ttaatctgca ggtttttttct tcttctgatg gatgggatgt tttccatgtt 240

tgtgccatgc ttcttgagac agatagagat ggagcatgat ttatctgttg gtgtgtatct 300

agtgagtggt agtggagtaa gttcttcttc 330

<210> 6654
<211> 230
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316120g04b1

<400> 6654

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atattattgg ctgggcatat ttattagact aatacactag gcaatcattg ctgtaggacc 120

ttaacctaat gtataatatc aggcgcgtta tcttggcaga tggttcagac acgtgtgttc 180

atgtcgtggc caggctatat aaacattgcc ttacgcatcg aaaacattac 230

<210> 6655
<211> 484
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316120g10b1

<400> 6655

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gcgtccccgt cggcgcggcg ccggccgcct ggtcctccgg cctcttcgac tgcttcgacg 120

actgcggcct ctgctgcgtg acctactggt gcccgtgcat caccttcggc aaggtggcgg 180

agatcgtgga caggggctcc acgtcgtgcg gcaccagcgg cgcgctgtac gcgctcctgt 240

gctcgctcac gggctgccag tggatctact cgtgcaccta ccgctccaag atgcgcgccc 300

agtacgcgct cccggacgcg ccctgctgcg actgctgcgt ccacttctgc tgcgagccat 360

gcgcgctcgt gcagcagtac aaggagctca aggcccgcgg ctacgacccc gagatcggct 420

ggcaccttaa catggagcgc cgcgccggcg ccggcgccgt caacccgccg ggcgttcagg 480

agat 484

<210> 6656
<211> 86
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316120h04b1

<400> 6656

gccacacgcg cgtgtacacg cgggcggcca cgcgttcgcc cacgcgttct ttacacaagt 60

ccggcgctag aaccagcgaa ctccca 86

<210> 6657
<211> 207
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316120h06b1

<400> 6657

gatggttcta ggctgtaaat ttgaaatctg ggttcgggtg cacctgtgat ccggtgcacc 60

cttgtgtgtg cgtgagaaac tgtggcgacg atcgcgttgt actaagctta tgtatttgtg 120

taactgaatt ggggtaattg aatcttcatt ttagcaaaaa aaaaaaaaaa attaaaaaaa 180

aaaatagaac agatgaaata atataaa 207

<210> 6658
<211> 289
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316120h09b1

<400> 6658

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cggaaactcc gccttgaact tcggtttttg tggtgtttcc ctccagtttg tcatgaacca 180

cagaaggacg cacaggagca gcatctggca ttcagagcct gacaggtttc atggttgcac 240

acaagcgatg ggtcaaagga gcctgcgaaa tatttttggt ctaggtaag 289

<210> 6659
<211> 231
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316120h10b1

<400> 6659

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agtcgacgcc cagtgtcggt cagcggcagc gagcgagcga gcgacgcagt gcggtgccac 120

tctcgccggc ccccgtggct ggctgcgtct gcttagctgc agctttgtag tggtgtgtgt 180

cacagtgtca gttccaccta tgatcgatcg gtatcctatc cggtttgtgt t 231

<210> 6660
<211> 341
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsro9316120h11b1

<400> 6660

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ccacgacgaa gaaacagtgc gatgataacg ttgttgttgt agcggtggtt ggcggtggag 120

aggagatgag gaggatgggg tttgtgtctg cttacgtaca actttgtatt gttagttgta 180

acaggggcag tggctcttat ggttcaaagg tatcctatgc gtgctgtgta caaaatattt 240

tttttatggt ggcacctata taagatccat tgttctatac tttacaactg ctacgattgg 300

gaaaactctg tagttaccca tcttatttag tttgggcaaa t 341

<210> 6661
<211> 93
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001a03b2

<400> 6661

gcgtccggtc agctgcgcaa acctcaagta cgtgttcttg cacgacatca tcattctagc 60

gaatacgacg tacgttagcg tcgtgacggt gca 93

<210> 6662
<211> 295
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001a04b2

<400> 6662

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ccaggaccgt ctcaccgagg agggaaagcg cacggacagg cgcaatccct gcgggctact 180

caaggacatc cacgcgctcg tgaagtgcgc gcagaggctc gccgctgtgt gcagcgccat 240

gaaggacggt ctggagccgt tggaaaggca cgtcccggag ggtttccacc gtatt 295

<210> 6663
<211> 262
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001a06b2

<400> 6663

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aggcgacagt tttgcagcgc tggaaaccgt agctagggtc gaatgatgtc gccgtcccct 120

gttaattcgt ttaggtcgat tgatattctt gtactgctag tcatgttctt tgccaccgag 180

aaatttgatc ggtggctgcg ttggtctctt gacattgtaa ttcgcaagca atatataggc 240

cttttccctc gcgttcaatg ct 262

<210> 6664
<211> 368
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001a08b2

<400> 6664

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gccagggcgg cgttcctggt gaggtgcaag gccaactctg aggccaccct cgggacctac 120

aagggcgacg ccacccttgc cgagggcgcc tcagagagcc tccatgtcaa ggactacaag 180

tactgatctg ccccccgctg gatggtttgg gcattcctgc ttactacctc cgtctgaaaa 240

taagtgtctg acacttattt ttggacagag tagtatctag atggtttcat agtcttgata 300

tctttaaata tcaacccttg tttttaataa tataagcttc tacttatagt taatttttga 360

cgttgaat 368

<210> 6665
<211> 412
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001a09b2

<400> 6665

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acggcaaggc agcaaacgcg attacgcaag cttaggtttc gtctctcctt cctctgtccc 120

cgccccacct cgtgccccac cctacctccg gcgcgcgacg agcgcgagca agagcgcttg 180

gtagatagat cccgatggcc tcgcgacgcc agacgctcct caaggtcatc atcctcggcg 240

acagcggggt cgggaagacg tccttgatga accaatatgt gaacaagaag ttcagtaacc 300

agtacatggc caccatcggc gcggatttcc tcacgaagga ggtgcaatac gaggacaggc 360

tcttcactct gcagatatgg gatactgctg gacaggaaag gtttcagagt ct 412

<210> 6666
<211> 261
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001a10b2

<400> 6666

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ctgccctaac ctaccacctg cagatccgcg cgctccccga ccagcgtcgg cgggaacttt 180

cctgcgagct tgatccatcc agtggccggc gacagcgacc gaccgccgcg cggatcgatc 240

cagcgaccaa cctggagcac g 261

<210> 6667
<211> 279
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001a11b2

<400> 6667

cgcgtccgcc cacgcgtccg cgaagaggag aaaggttcca tgtgaacggc acttgcacat 60

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ccgaaaggga atcgggttaa gatttcccga gccgggatgt ggcggttgac ggcgacgtta 180

ggaagtccgg agacgccggc gggggcctcg ggaagagtta tcttttctgc ttaacggcct 240

gccaaccctg gaaacggttc agccggaggt agggtccag 279

<210> 6668
<211> 275
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001a12b2

<400> 6668

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gtttctgctc ccgttcccac cccaatcccc tccaagaaac cctcgccccc ctcgcctcgc 120

cgccatgggc agcgccgcct cgccgccgcg ggccctcgac gcggcgacgc aggaggacct 180

caagcgcgtc tccgtgcacc gcgccgtcga catggtggag tccggcatga cgctggggct 240

cggcaccggc tccacggtcg cgcacgcgct cgacc 275

<210> 6669
<211> 301
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001b01b2

<400> 6669

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tcacccaccg cccacctagt ccctccctcc cctgaccatc tctccctacc ctctgcctgc 180

ttcccctgcc tcatccccag atccaatcga cacaaccccg ctgcccccgc accccgtact 240

gtccaccatg gccgactgct cctcctcccc gcaccaaccc atcaccccgt cgtgggggcg 300

c 301

<210> 6670
<211> 344
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001b02b2

<400> 6670

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ataagaaacc tgaccactcg ttcaagcctg gtggagctcc cagctatcct cttccacctt 180

atggtggcta catgggagac ccatatggtg cctatggtgg cggccctgga ttcaaccagc 240

ctatgatcta tggtagagga ccagcaccag ctggaatgag gatggtgccg atggtgctcc 300

ctgatggtcg ccttggctat gttctgcaac aacctggtgg aatg 344

<210> 6671
<211> 439
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001b04b2

<400> 6671

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ggatggccga atctggagct gtggaagaag ggaagttcag gtactacaaa ttttctgtcg 120

aggaaggtgt ggctgagaaa gttgcgtctg gttgtgcaaa tattgaggta aagatagagt 180

ctgatacaag tggcggtgac actgatattt atgtttcaag gcatccttta gtattcccaa 240

ctcagcaccg tcatgagtgg tcatctcatg agatgggatc taaggttctt atactcaaac 300

caaaggatgc tactttggtc agtggccttt acagtgttgg ggtttacggt ttcaaggcca 360

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agcagggtag tgtgtcatc 439

<210> 6672
<211> 366
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001b05b2

<400> 6672

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accatgaagt gccccgcgga gctcgcgcac ggcgccaacg ccggcctcga catcgccgtc 180

aggctgctcg agcccatcaa ggagcagttc cccatcctct cctacgccga cttctaccag 240

ctcgctggag tcgtcgccgt cgaggtcacc ggcgggcccg aggttccctt ccacccgggg 300

agacaggaca agcccgagcc tcctccagaa ggccgtcttc ctgatgctac ccaaggctct 360

gaccac 366

<210> 6673
<211> 407
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001b06b2

<400> 6673

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tgagctcctg tatgtgaaca tatatgcaaa ccatgtgtat tagtttctat tactactatg 180

ttaatgatgg cagtttagat atccctgtgt tagataatta tcatatctag aagatgatca 240

aattttcttg attcatttgt agctcattgt tggattatgc tgctgctgct ggagatggac 300

atgctgttaa atattttcct ggagcttgaa atccttgaag tgcttaccat gttttttttt 360

gaaatggaag tgcttaccat gtactctctt ttataaacta aatacct 407

<210> 6674
<211> 346
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001b07b2

<400> 6674

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gcacagcagt gggctccggg cttgcatcca tggtgctttt cgaggctaac atcctcagcc 180

tccttgccga ggttctatca gccgtcttct gtgaggtcat gaacggcaag ccggagtaca 240

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tggagcacat ccttgaagga agctcctaca tggcactcgc aaagaa 346

<210> 6675
<211> 400
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001b08b2

<400> 6675

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tttacccaca aattgaagca tcaccccggg caaatcgagg ctgctgccat catggagcat 120

atccttgaag gcagctccta catgatgctg gcgaagaagc tcggtgagct tgacccattg 180

atgaagccaa agcaagatag gtatgcactc cgcacatcgc cgcagtggct tggccctcag 240

attgaggtta tccgtgcttc caccaagtcg atcgagcggg aaataaactc cgtcaacgac 300

aacccactca tcgacgtctc ccgtggcaaa gctatccacg gtggcaactt ccagggcaca 360

cccatcggtg tgtccatgga caacaccagg cttgccattg 400

<210> 6676
<211> 393
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001b09b2

<400> 6676

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gcaacgtcgc cccgtccttc gccacggccc ccgccgccga ggccgccgcg gcggcgccgc 180

tgctgtccgc ggccggggag atccccgcgg tggcgccggc cgggtcgcag tgggcgtcct 240

gggaggtgga cgactgggag ttcgcggact ggaggtccga gtcggcgtcc gaggcggacg 300

tggcggtggt cgggggccg aggctggtgt tcgccccgcc gtcgcgggag gaggccgagg 360

aggccaccgc cgagctccgg gaagctattg aca 393

<210> 6677
<211> 332
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001b10b2

<400> 6677

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cttgatggcg ctccctatga tgatggagat cggtctggag agagggttca ggaccgcgtt 120

gagcgacttt gtgctcatgc agcttcagtt agcgtccgtc ttcttcacat tctccctcgg 180

aaccaagact cactactacg gaaagacgct gctccacgga ggagccgagt acagagccac 240

cggacgtgga ttcgtggtgt tccatgccaa attcgccgag aactatcgac tgtactcacg 300

gagccatttc gtcaagggca tcgagctgat ga 332

<210> 6678
<211> 424
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001b12b2

<400> 6678

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agccggacaa gcggacggag gtggaattga gggtatgcca aaatcattgg gcagcgacca 120

gaaagattgg tcactattta ctggtgtcaa taatgaactg aacctccaga ctacagatca 180

tgtcagaaat catgagtcca caggacaaag tgtgaagacc ttcagctatt ctccagataa 240

tagttcatcc atactcaact tgtacaaaga atctaaattt gtcgatgctg ttcacgttcc 300

tcaaagttgt tccgaaagtg tagtcagctc ttctgatatg ttctctagca atgaagtgat 360

gaaaaccatt ccattaaatc aggaagcgac aatattttgg ttgatttcta ccataagctg 420

agag 424

<210> 6679
<211> 382
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001c01b2

<400> 6679

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cctcctagcg tcgccgcccc tgcatcctcc tggcccgcag ctgatctcgc ctctttccga 180

cgagagtcca acccgcaact attcgtcgcg ctgccttttc catgtcggcc gcctccttct 240

ccccccctcca ctacgcgcca ctgccgtcgc ccatgcgcgg cctcgatccg gtgccgtcgc 300

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aatccgacct tccctctgct cc 382

<210> 6680
<211> 421
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001c02b2

<400> 6680

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atcgtcgtgt ccaagatccg gggccgcaag ctgcggctgc cgccgggccc cttcccggtg 180

cccatcttcg gcaactggct gcaggtcggc gacgacctga accaccgcaa cctggcggcg 240

atggcgcgca agttcggcga ggtcttcctc ctccgcatgg gccagcgcaa cctggtggtg 300

gtctcctccc cgccgctggc ccgcgaggtg ctccacacgc agggcgtgga gttcgggtcc 360

cgcacccgca acgtggtgtt cgacatcttc accggcgagg gccaggacat ggtgttcacc 420

g 421

<210> 6681
<211> 313
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001c04b2

<400> 6681

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cggcgaccgc tccggctccg gcgccaccgc cgtcacggcc gccaaggtgt cccacctcct 180

ctgcttcgcc acctgctggg gcgctgcgct ctgggctacc ttcatcggcg gaatcatcat 240

gttcaagaat ctgccgaggc accagttcgg gaacctgcag gggaagatgt tcccggccta 300

cttcacgctc atc 313

<210> 6682
<211> 327
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001c05b2

<400> 6682

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tggagagcat cgtgcgcggc gtggtgacgc agaagatgga cgacaccatc cgcaccatcg 180

gctccaccat ccgcctcttc ttccacgact gcttcgtcga gggctgcgac gcgtcggtgc 240

tgatccggtc gacgccgggg aacccgacgg agatggacgc cgacgacaac aagtcgctgg 300

cgttcgaggg ctacgagacg gtgagga 327

<210> 6683
<211> 405
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001c06b2

<400> 6683

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aattagcaga gatcggttga taagaagatg gatttctgaa ggctttatcc aagtaaaaga 120

tgaaactgat agccagcttg agcttggaga tagctacttc aacgagctag taaacagaaa 180

catgatcatg ccgataaaca tacatgctga tggtagggtt gaagcttgtt ccatacatga 240

tatcatgctg gatcttatat atgaattagc aagtggagag aactttgtta ctatactgga 300

tgttatcaag gaagacacac ctttggaaag aagttccgca gattgtccct ccagaagagc 360

atgacaggtc tcaccaatgc tcatatggct accacaagca tgtca 405

<210> 6684
<211> 341
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001c07b2

<400> 6684

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tgctgcgaca actgcaggtc cttctcaggg atcgacgtct gtgacgacgc ccatcctgag 180

tgccccaagg gctgcttgca gtgccgcgtg gtgcagacga gccctaccaa gacgttcagg 240

tgcgccgact accgcggaga ctccgacgac acgtgcggcc cgccctgcaa gaaaaactga 300

tgggttaaga tcagatcacg aaatgtttcg cccaaaataa g 341

<210> 6685
<211> 410
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001c08b2

<400> 6685

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gaattcgaga gggagaggag cgataatggg gagggctccg tgctgcgaga agatgggcct 180

caagaggggc ccctggacgc cggaggagga caagatcctg gtcgcccaca tccacagcca 240

cggccacagc aactggcgcg cgctgcctaa gcaagccggc ctgctgcggt gcggcaagag 300

ctgccggctc cggtggatca actacctgcg gccggacatc aagcgcggca acttcaccga 360

cgaggaggag cagtcaatca tccagctgca ccagctgctc ggcaacagat 410

<210> 6686
<211> 364
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001c11b2

<400> 6686

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ccttggctgc actgcttgct gtggtggtac tcgtggtctg ctctccggcg cctcgtgttc 120

tcgccactga ccccacccag ctccaggact tctgcgttgc tgatataatg aaccctgtga 180

ttgtgaacgg gttcgtgtgc aagaacatga agatggtgac ggcgaacgac ttcttcttgc 240

ccgggcttaa caagccgggc aagttgaacg ctcagggctc ggcggtgaca ccggtgacgg 300

tgcggcagct gccagggctg aacacgctgg gcatctcatt ggcgcgcatc gacttcgggc 360

ccaa 364

<210> 6687
<211> 330
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001c12b2

<400> 6687

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tcgtggtgct gctcgtcgct ctcatggtgg ccatggcggt cacgggccaa aactcggagc 120

aggactccat ggacacccac aactcggtac gcgccgacgt gggccttggg gaggtgacat 180

gggacgctac ggtggcagcc ttcgcgcagg actacgcgga tcagcgccgc ggcgactgcc 240

agctgatcca tactcctgat ggccggccgt acggggagaa cctctactga ggcggctgga 300

ccgagtggac agcgacggac gccgtgaatt 330

<210> 6688
<211> 316
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001d01b2

<400> 6688

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ccaccaggag tctagggtta gagagagaga gagagagcga gacgagcaaa aacaatctct 120

cgccccactg ttataccaag ttcgcatcca tctcactgtt atacatcctt gtatcacaat 180

gggtggccta tccatggagc acccttgggc attcgccttc ggcctactag gcaacgtgat 240

ctctttctcg agccttctgg ccccgatacc aacattctac cggatcttca agagcaaatc 300

cacggagggg ttccag 316

<210> 6689
<211> 374
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001d03b2

<400> 6689

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cgcaattggt ggggatgttt tccctggctc aactctttca gatcacattc tgcgttttaa 120

caacataccc caggttaaaa tgatggttgt tcttggggag cttggaggaa gtgatgagta 180

ttcactcgtc gaagccttga aacaaggaaa ggttcagaaa cctgttgttg cttgggttag 240

tgggacatgt gcacgcctat tcaaatctga ggtccagttt ggccatgctg gtgcgaagag 300

cggcggcgag ttggaatccg cacaagctaa gaatcaggca ctaagggatg ctggggcagt 360

tgtcccgact tcat 374

<210> 6690
<211> 381
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001d04b2

<400> 6690

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agcaggacgt cgtcgttcct gctgcccccg tgagcaacgg cagctgcaac ggcgccgtcg 360

tcgccgagcc cttgtacgcc c 381

<210> 6691
<211> 407
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001d05b2

<400> 6691

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gaagaagatg gtcatgaggc cgctgtggca cgcggcgccg cctatctagt ctctgccccc 180

tacgtacctc cgtgatcaca gcagcttcat gcctcggtga ggtccctaat ttgtaggacc 240

aagctatgat tctttcttac ctatgtctgc aagctgttcg atgaaaatac aagcgagcta 300

caaggaaaga ttcatctatg taatatccaa gctttgttgt ctgcttaata acttttttctg 360

agatttagtt acattcaacg atgacttgca tgtactacat tataata 407

<210> 6692
<211> 372
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001d06b2

<400> 6692

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cggacctacc agcagaactt cggcctggag gtcaccggcc agctggacgc ggccacggtc 180

accaagatga tgtccccgcg gtgcggcgtc gccgacatca tcaacggcac ctccgccatg 240

ggcaagacgg tccacggccg gaacctctac tcctacttcc cggggtcccc ctcgtggccg 300

cgctccaaga agagcctcag gtacgccatc acggcggcca ccgagacgac catcgaccgg 360

gccacgctga gc 372

<210> 6693
<211> 341
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001d07b2

<400> 6693

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cagacggagc ccaggccgga ggaggccccg gaccccgatt cctgctccca atcgtctcgg 120

cgagagaggc aacggagcca ctatgcctgg agcagatgag acgtttccgg cagagtcgag 180

ggcgacggtg ttctttgggg ctgtgacatc taaatcggag ccgctgacct ttgaagagtc 240

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catcctgggc aggacggagc tgtcccagct ggaggcctac c 341

<210> 6694
<211> 327
<212> DNA
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<223> Clone ID: uC-tsrow189001d08b2

<400> 6694

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gcaggctggt ggagctggtg gcccccgagg agggcggccg gcgggcggcg ctgcgccggg 240

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tgctcagcga gggctgggcc agcccgc 327

<210> 6695
<211> 272
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001d09b2

<400> 6695

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tccttttgac gatcataatt gtcctccgat acaacttgtc atatcatttt gccaaagtgc 180

atactcatgg ctgaaggaag acataaaaaa tgtggtggtt atccattgca aagctgggaa 240

agcaagaaca gggttgatga tctccatcct tc 272

<210> 6696
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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001d10b2

<400> 6696

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aatcaaatat gaaaaggaga agataatgtt tgcgaaggag aggggagaga catacaggtt 180

gattctgggt aaactttgct taatttgttg gagaaaatgc tcgatagatc tcatggatgg 240

acgaggttgt ggcactagtt ctcggctgca atatctatct tgatcgatta gggcacatta 300

gaagcggaag aagaggaaac atttggggtg tgtatggcat tgaacattga gtgcttctgt 360

<210> 6697
<211> 351
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001d11b2

<400> 6697

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tctgccagcc gtgccctgcg ccagcacgtc cccggcggcc tcgtacaccc cagccccccgc 180

ctgacctccc ttccaccggc cgctgcgagc tcctgccgcc ggcaaggtgc ctccgccttc 240

ccccgtctcc gcgtcagatc tgtctgtcct gccgccggca tcctctctgc tgacggcgcc 300

ggacccggga ttggggatgg cgtgctcctt tgctggtgtc gggcagtcct t 351

<210> 6698
<211> 326
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001d12b2

<400> 6698

tcccacgcgt ccggcagatc ttcgtcaaga ccctcacggg gaagaccatc accctcgagg 60

ttgagagcag cgataccatc gacaatgtca aggccaagat ccaggacatg gaggggatcc 120

cgccggacca gcagcggctg atcttcgccg gcaagcagtt ggaggacggc cgcacccttg 180

ccgactacaa catccagaag gagtcgaccc tccatctcgt cctcaggctc cgcggaggca 240

tcatcgagcc atccctgcag gcgcttgccc gcaagtacaa ccaggagaag atgatctgcc 300

gcaaatgcta tgcgcgcctg caccct 326

<210> 6699
<211> 359
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001e01b2

<400> 6699

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attccaaaat gcacttgaag ctgtgaagac tctaagagca gagcccaagg ccaatgatca 120

gtatttgccc ccatttgtga tagttgatga gagtggcaaa tcggttggtc ctatagtaga 180

cggtgatgca gtcgtgactt tcaatttcag agctgatcgc atggttatgc ttgcgaaagc 240

actcgagttt cctgattttg ataaatttga ccgtgttcgt gtaccaaaaa ttaagtacgc 300

tgggatgctt caatatgatg gtgagttgaa gcttccaagc aagtaccttg tttccccac 359

<210> 6700
<211> 431
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001e02b2

<400> 6700

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tgacctcgac gacactctgt acccgctgag ctcggggatc tcatcacacg tcaagaccaa 120

cattgaagct tacatgattg agaagctggg tattgatgag agcaagatcg aaaaccttgg 180

caacctgctg tacaagaact atggcaccac gatggcgggc ctcagggcaa ttggctacaa 240

cttcgactac gatgagtacc acagctttgt ccatggaaga ctgccctacg acaacatcaa 300

gccagacccc gttctgaagc agattctcaa gaacatgcgc atccgcaagc tcattttcac 360

caacggtgac atgatccatg ccgtgagagc cctcaagagg ctgggcctgg aggactgctt 420

cgaggggatc a 431

<210> 6701
<211> 290
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001e04b2

<400> 6701

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tgctcgtcta ctgcaccgcc ggcatctccg gcggacacat caaccccgcg gtcaccttcg 120

ggctgttcct ggccaggaag ctgtcgctca ccagggcggt attctacatg gtcatgcagt 180

gcctgggcgc catatgtggc gccggcgtgg tcaaggggtt ccagaccacg ctgtaccagg 240

gcaacggggg cggcgccaac tccgtcgcgc cggggtacac caaaggggac 290

<210> 6702
<211> 350
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001e05b2

<400> 6702

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atgaagagta gcacgctggt ggcgatcctg gtcctccagg ccgtcatggt catggggatc 120

ctcgcacact cacaggcagc ggacacggac gacgatttcc ccaagtgctg cgaccactgc 180

aactcctggt cgggggccca gttctgcgac gacgtcggcc ccaagtgccg cgacggctgc 240

gtcaactgcc gcgtggtgca gacccgcccc gtgaagacat tccggtgtgg agatggacgc 300

tccgcctacc catacattcc ctgcccgccg tcgtgcaaaa agaactgatc 350

<210> 6703

<211> 404
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001e06b2

<400> 6703

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aggtggatgc cctggtggag aagatcaccg gcctccacgc cgccatcgcc aagctgccgt 120

cgctcagccc atccccagcc gtcgacgcgc tcttcaccga gctggtcacg gcctgcgttc 180

ccccgagccc agtggacgtg accaagctcg gcccggaggc gcaggagatg cgggagggcc 240

tcatccgcct ctgctccgag gccgagggga agctggaggc gcactactcc gacatgctcg 300

ccgccttcga caaccctctg gatcacctcg gcatgttccc ctactacagc aactacatca 360

acctcagcaa actggagtat gagctcctgg cgcgctacgt gccc 404

<210> 6704
<211> 356
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001e08b2

<400> 6704

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tcaacgatcg caagagggag atatgactgc cgaaactggc acctacagat ggatggcacc 120

tgaggtgata aaccataagc cttatgatca caaggcagat gtcttcagct tcgctattgt 180

tctatgggag ttggtcactt caaaggtccc gtatgagaac ctgacaccct tgcaagcggc 240

actgtcagta aggcagggac ttcgcttggt gattccctcg ggcgtgcatc caagaatatc 300

taaattgatt caacggtgct ggggcgaaaa ccccaataca cgacctgttt tctctg 356

<210> 6705
<211> 390
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001e10b2

<400> 6705

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gtcttattct gcagcaacga gtttcgaggt actggcgcgg atcgcgttgg tgttgccgcg 120

caggtcggcg cagaattctt ccatggacgc ggtgatcttc tccaggtagt ccttgatgga 180

cggatccatc gcttcaagtt ggagacgaac ctgccgcacg ccgcgggtct cgatgaattg 240

cgccagatcg aactagggga aggagtggtg gctggtcttt gataccagat gtgaggagct 300

agatatggcg gtgcctcgat tactcacttg ctcacgcaat atcggattcg agtctcaatt 360

acagttgcta tacaagaatg gagaaagggg 390

<210> 6706
<211> 404
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001e11b2

<400> 6706

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gaagcctgtg aagctgggag cgtatttgag gggcttctgc caaatgacat cggtgtctat 120

gcgaccaccg cgtcgaacgc ggaggagagc agttggggaa cgtattgccc cggcgagtac 180

cctagccctc cgtcggaata tgacacctgc ttgggcgacc tttacagcat ttcttggatg 240

gaagacagtg atgtacacaa cctgagaact gaatctctca agcagcagta tgacctggtc 300

aagaagagaa cggcagctca ggactcatac agttatggtt cccatgtgat gcaatacggt 360

tctttggacc tgaatgatca acatctcttc ttatacatcg ggtc 404

<210> 6707
<211> 156
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001e12b2

<400> 6707

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ctcacggctc ctgtacgtgt gcacactgtt ctgatctgca cccagcatga tgagactgac 120

accaatgatg agattgctgc agacctcaag gagcat 156

<210> 6708
<211> 325
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001f01b2

<400> 6708

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taccacctca tcatcgtgca ggacggcgac cccacgagga ccgtcatggt gcccgagggc 180

ttcgactacg agctctacaa ccgcaacgac atcaaccgca tcctcggccc caaggcctcc 240

tgcatctcct tcaaggactc cgcctgccgc tgcttcggct acatggtctc caagaagaag 300

tacgtctaca ccatcgacga cgatt 325

<210> 6709
<211> 217
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189001f02b2

<400> 6709

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actacgggag gcggtatggt ttgctcggct taaatggttg tgggaaatct acccttctca 120

ccgcaatagg ctgcagggaa ctccccattc ctgaacacat ggacatacat catcttactc 180

gtgagattga ggcttctgac atgtctgcgc tgcaagc 217

<210> 6710
<211> 385
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001f03b2

<400> 6710

ccggccacca taggctcgcc tcgccggctt gtttccaaga gctttgagaa ggttcgcgct 60

tcttggggct tacttcctgg gtcttgctgc cgtgccgtcc tccattcctt gcttctcttc 120

tctcgtcgat ttcttcgcct ggactttcct ctctccacct cggtgatttg cggcggagcg 180

gatcgagagc aggagtgaac aggggcgcat aagcatcgtc attcaaccca agggtgtaga 240

gagctagcta actcgaggaa tggatcgccg gagctggccg tggcgccgca agtccatctc 300

ggacaaggcc cccgccccca ccgaaaccga cagctccgcc tcctgcccat ccgagacttt 360

aactgatgaa caggatacca ccctc 385

<210> 6711
<211> 372
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001f04b2

<400> 6711

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attcaaaaga gcatatcgga actaccgtcc agcatttgat tagcttggct caaaacactt 120

ctgagcttta ccatgaattg cacgcgctgg ataggtttga gcaggatttt caaaggaaat 180

ttcatgaaga ggagtctgta ccagcagcca ggcgagagag cgttatgata ttgcacagtg 240

aactaaagcg ccaaaggaag cttgtgaaaa ctttgaagaa gaaatccttg tggtccagac 300

ctttggagga tgttgtggaa aagcttgttg atatcgtcac ttttctggat aaacaaatcc 360

gggatgcatt cg 372

<210> 6712
<211> 258
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001f06b2

<400> 6712

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cggcaccggc gagcacaaga gccccgacca cctcgccagg aacccctttg gccaggtgcc 120

agctttgcag gatggtgact tgtacgtctt cgaatcacgt gctatttgca agtatgcgtg 180

ccgcaagaac aagccagagc tgttgaagga gggcgacatc aaggagtcag caatggtgga 240

tgtgtggctc gaggtgga 258

<210> 6713
<211> 348
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001f07b2

<400> 6713

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ccgaaaatcc aagaaaagca gcgggtcaag aaagagggaa agcaagcgag gagggtgatg 120

atgatggcta taagtcgccc catgattcac cgtatcatcc cgtcgcctgc gcgcctctgc 180

taaaagggcc tcgccgtccg tgtacgctcc agtgagcggt ggaagagcgt gcggttgctt 240

cgcgcagacg gtcggacgcc gccgctgcaa tgccgcagta ccaggagctg ccctgcggcg 300

ggcaggtgct cgacatcaac gccgcgctca aggatggcat cctggggt 348

<210> 6714
<211> 384
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189001f08b2

<400> 6714

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ggntctctta tctgttcggg gtcatccatc cgacccccgg atccgccgca aagacggtgc 120

ctttctggtt gttctcggca ctatccatgg atgagggttt agcgcgacgg cagtgaggtc 180

agcgtgtgga gttcctgggt tgaattgttg cagcgagagg ctttgggaaa gggcgcacgg 240

cggcgagatg cggggttccg agatgcggag gcgggcacca gagtaccggc ggcagtcgcg 300

gcggcggctg ccgggatgga tctggtggct cgctgggatc ttccttgtgg ttgggctcat 360

gctcttcgtt ctgcaccaca acca 384

<210> 6715
<211> 467
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001f09b2

<400> 6715

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tcccccacaa caagcgctgg cacaccatcg ccggcaaggg cctctgcgcc accatgtggt 180

tttggatttt ctacagggct aagcaggacg gcgctgtgct cttgggtatg cgtcatcctt 240

gggatggcca tgatgatcac gcgcatggtc atggacatgc acacgagcat gaggcttcat 300

cgtcgtcatc gccgtcccat tgagctcaac gctgaaagcg gctgacagag accctgacac 360

gtcgcatgtt tcgacgcaag tctctgctaa taaaaaacaa tcacaactat cattgttcac 420

ccctgttgtt tgcgagtata ttttttttg gcacacaaac tggcttt 467

<210> 6716
<211> 413
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001f10b2

<400> 6716

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cgcaccagag tacatcatga cggggcatct gacggctaag agcgacgttt atagcttcgg 180

cgtggtgctc ctcgagctat tatcgggccg gcggtccatt gaccgtgctc ggcgttccag 240

ggagcaaagc ttggttgact atgccagacc gtacctcaag aagcaggaca agctgcaccg 300

ggtcatggat ccggctttgg aatgccagta ctcgtgtcag ggggctgaac tggccgcacg 360

agtagcgtac aaatgcttga gccaaaactc aaagtcgagg cccaccatga aag 413

<210> 6717
<211> 467
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001f12b2

<400> 6717

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ggaggggctc ctgcacaagc tcaaggggct cgacgcctac cccaaggtca acgaggactt 180

ctacaagcgc acgctctccg gcggcgtcgt cacgctcctc tccgccctcg tcatgctgct 240

cctcttcgtc tccgagacca ggtcgtatta ttattcagca accgagacta agttagtggt 300

agacacatca agaggagaaa ggctaagagt aaattttgat attactttcc cgagtattcc 360

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gcatgacatt gaaaagaaaa gattggactc acatggtaat gtcattg 467

<210> 6718
<211> 453
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189001g02b2

<400> 6718

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cgacgccctc ggcagccacc tcaccaacaa gtactccgag gggcacccgg gcgctcggta 120

ctacggcggg aaccagcaca tcgacgccat cgagcgcctc tgccacgagc gcgcctgcac 180

cgccttcggc ctcgaccccg cctgctgggg tgtcaatgtc cagccctact catgcacctc 240

cgcaaacctg gctgtctaca cagggcttct cctacccaat gaccgtatca tgggccttga 300

gccgccgtct ggtggccatg tcagccacgg atactacacg cctagtggta agaaggtgtc 360

tggcgcctcg atattctttg aaagcttgtc atacaaggtg aatccacaga ctggctatat 420

tgattatgac aagctngagg accgggcaat gga 453

<210> 6719
<211> 382
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001g03b2

<400> 6719

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cttcgcggcg gcaatgctcg ccattgccgt cgcaaagctg accggcaagc gcttccggct 120

gcccccgggg ccctccggcg cccccatcgt gggcaactgg ctccaggtgg gcgatgacct 180

caaccaccgc aacctcatgg gcatggccaa gcgtttcggc gaggtgttcc tgctccggat 240

gggcgtccgc aacctggtgg tcgtctccag ccccgagctc gccaaggagg tcctccacac 300

ccagggagtc gagtttggct cccgcacccg caacgtcgta ttcgacatct tcaccggcaa 360

aggccaggac atggtgttca cc 382

<210> 6720
<211> 445
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001g04b2

<400> 6720

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caaagcctgc tagccgaaaa gatgaacggc aagtgagcgt agcggaacag actaatggcc 120

gaaccaatgc agctctcagt caaggacctg tagctgaaaa tgaatctgag aaggtgagca 180

aaaatatgag tagtgaaact gctgatggga agccctttct acagatcggg agcaacatgg 240

tgccagttac tgttggaaat gagactaaag aagctgctca aaccgtacaa cagtttgtag 300

tatatgtggg atttgagcat gagtgctcgt acggtcaccg tttcttactg tcagagaagt 360

atctcaagga gattgattat ggaagatctt atcaaaacaa tgaagcagaa agtaagcaca 420

gttcacaaaa gttgccccca aatgc 445

<210> 6721
<211> 434
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001g05b2

<400> 6721

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gtctcccggg tctgttgcca aagccgttta caacttcaat gtcacagcca aatgtgggga 120

gcctggtgcc actgcttgcg ctgatccatc gacccattgg agctgggacg gtattcactt 180

gacggaggtt gcttatggtc atatcgccag gggttggtta tatggccctt ttgcggacca 240

accgattgtt cagtccctgt agtccacctc tactgttgca cttgtagagc gtctgaaaat 300

ggtgcactaa actggagcag gaaaagtagt tcttccataa agttccaatg ttcaatacgt 360

gtatattttt atttgattga attcattgca agtggggtac aaaggtaaaa taggggatgc 420

cagaagaatg actt 434

<210> 6722
<211> 391
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001g06b2

<400> 6722

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cccacattgc cattccctcc ttgcgagtag cagcagcaat ggccagcctc gccgacctcg 120

tcaacctcta cctcagcgac tgcaccgaca agatcatcgt cgagtacctc tgggttggag 180

gatccggtat cgacatcagg agcaaagcaa ggacggtgaa cggccccatc accgacgcga 240

gccagctgcc caagtggaac tacgacggct ccagcaccgg ccaggctccc ggagaggaca 300

gcgaagtcat cctctacccc caggccattt tcaaggaccc gttcaagagg ggtgacaacc 360

tccttgttat gtgcgactgc tacacacccc a 391

<210> 6723
<211> 294
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001g08b2

<400> 6723

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ctcatccgcc ccgagatgct ccgcctgaag gccttcgagc cgatccttct cgccggcagg 180

tcccgcttca aggacatcga catgcgtatc cgcgtccgcg gcggagggaa gacgagccag 240

atctactcca tccgccaggc catcgcgaag tctctcgtcg cctactacca gaag 294

<210> 6724
<211> 278
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001g09b2

<400> 6724

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tttagatcgc ctactattct gcttgaataa tgtgtctctc attgtacggt ggattctatt 120

atcgttctgc agtttttcgt tcgggcatat atacattgcc ccatcttatg tttaagttga 180

tattgaaaca tgattattta gtactagaag acagtatact tggttatctg cagttatttc 240

acatttattt atctttgatt gaatgtctgg ttgctcaa 278

<210> 6725
<211> 409
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001g10b2

<400> 6725

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ctccttgcag cagcagtagc tagtgatcac ttgaccctgc agcaggctgc ggctgccgcc 180

gatgaattac aaggccgacc gcagcagggg ctggggcgtc cgggttgccg ggacaagtgc 240

ggcgacatga gcatcccgtt ccccttcggc atggacaagc ccggctgctt cctacccggc 300

ttcgaggtca cctgcaacac ctactgcact ccgcctcgcg ccttccttgc ctacaaccac 360

agggagccac cataccagga gatttaccag tatgcattcg gcactgaga 409

<210> 6726
<211> 406
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001g12b2

<400> 6726

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gatagcagct gccggaaaag ttactaagtt ctgtaggata ttaagtccac agcttgcaat 180

tcagcacatt ctgccgtgtg ttaaggaatt gtcatcagat tcgtctcagc atgttcgctc 240

agctttggct tcagtcatca tgggaatggc ccctgtcttg gggaaggatg ctaccattga 300

acaacttctt cctatttttc tttctttgct gaaggatgaa tttcctgatg ttcgactcaa 360

cataatcagc aagcttgatc aagttaatca ggtcattgga attgac 406

<210> 6727
<211> 272
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001h01b2

<400> 6727

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cacgaggcgg cggggcacgt ggtgacggtg gagctcaaga ccggcgaggt ctaccggggc 180

tccatgatcg agtgcgagga caactggaac tgccagatcg agaacatcac cttcaccgac 240

aaggacggca aggtgtcgca gctggagcac gt 272

<210> 6728
<211> 289
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001h02b2

<400> 6728

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gaaggaagga agggagtcgg gaagatgagc cgcagccttg ggatcccggt gaagctgctg 120

cacgaggcgg cggggcacgt ggtgacggtg gagctcaaga ccggcgaggt ctaccggggc 180

tccatgatcg agtgcgagga caactggaac tgccagatcg agaacatcac cttcaccgcc 240

aaggacggca aggtgtcgca gctggagcac gtcttcatca ggggcagca 289

<210> 6729
<211> 60
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001h04b2

<400> 6729

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<210> 6730
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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001h05b2

<400> 6730

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agaaggcttg gaggaagaag cgaaagtatg agctcggccg ccagccagcc aacactaagc 120

tttcaagcaa caagacagtg aggagggtcc gtgttcgcgg aggtaacgtg aagtggaggg 180

ctctccgtct tgacactggt aacttctcat ggggtagtga ggctgtgacc cgcaagaccc 240

gtctcctgga tgtggtttac aattcgtcaa acaatgagct tgtgaggact cagacccttg 300

tcaagaatgc cattgtgcaa gttgatgctg ccccccttcaa gcagtggtac ctgactcatt 360

at 362

<210> 6731
<211> 333
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001h06b2

<400> 6731

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acgagaacct gaccttcgag acctcggcgg gggtggaggt ggtcggcagc ttcgacgcca 180

tggggatccg cgaggacctg ctccgcggca tctacggcta cggcttcgag aagccctccg 240

ccatccagca gcgggccgtc atccccatca tcaccggccg cgacgtcatc gcccaggccc 300

agtccggcac cggcaagacc tccatgatct ccc 333

<210> 6732
<211> 281
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001h07b2

<400> 6732

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gcggcggcgg aaggaaggaa gggagtcggg aagatgagcc gcagccttgg gatcccggtg 120

aagctgctgc acgaggcggc ggggcacgtg gtgacggtgg agctcaagac cggcgaggtc 180

taccggggct ccatgatcga gtgcgaggac aactggaact gccagatcga gaacatcacc 240

ttcaccgaca aggacggcaa ggtgtcgcag ctggagcacg t 281

<210> 6733
<211> 332
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001h09b2

<400> 6733

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ccagcggcga tgcaaagtat tcgacgagcc tgcgtaccgg cggcaagtcg ggccgcagga 120

ccggggacaa gtttgctcgg ggcatcaaag aacatcttaa gtcctccttc agtccttctc 180

tagtccatct ggataaatct ttgtagctct ggttgtgaat tagacactga acatatgttt 240

ctgcagtgac tctcggccca aagctgtacg agaccgtgag gggaaagctg tcgctgggcg 300

ccagaatcct ccaggccggc ggcgtggaga aa 332

<210> 6734
<211> 306
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001h10b2

<400> 6734

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aagaatcgca cgggcggatg gcgcgcgtgc cgcgcagttc tcggaaccga gttctgctac 180

tgcctagcgt tctacggcat ctcctacaac ctcgtcacgt acctcaccgg cgtcctgggc 240

cagagcaacg tcgccgcggc gaggaacgtg tccacctggc aggccacctg cttcctcatg 300

cccctc 306

<210> 6735
<211> 60
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001h11b2

<400> 6735

cacgcgtccg aaaaaaaaaa aaaaaaaaag aattaaaaaa aaaaaaaaaa aaaatataac 60

<210> 6736
<211> 422
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189001h12b2

<400> 6736

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tgccggagat gtcgttctcc tccttgtcca aggccagatt cgagggtaaa ggaggcggag 180

ccgggagatc catatcgctg cccgcctcca gggccaagct cgccgcagcc accaagaaag 240

ctactactac tagtacagcc ggaggcgggc ggggcaaggg caaggcggcc aagaaggtct 300

tctccctcac cggccagaag ttcgaaacac cagatgagag ggagcccctg aggatcttct 360

atgaatcgct ctccaaccag atcccatcca gcgacatggc cgaattctgg ctaatggagc 420

ac 422

<210> 6737
<211> 324
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003a02b1

<400> 6737

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agacatcaca gaacaggaag ctaagaaggg gctagtttgc cgtgtgcatt caactgaaaa 120

aagcaaattt aagctgcttt attttgagct cgaagaaaat ggtgggttga gccttgcact 180

tcaggaagat agtgtaaagg ccagcaaagt ttcttctgca ggaatgtact ttcttgggtt 240

ccctgtgtat tcgcttgagc aaaataactc agttctttgt ttgcacatca ccatggcagg 300

gttacattct taaacaacac gatt 324

<210> 6738
<211> 337
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003a03b1

<400> 6738

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agggaaggaa ggaaggaagg ggatgagctc cttcgtcggc gccgccttct ggtctgcgtc 120

gccggtgccg ccggaggacg acgtctgcta cgtatgccac taccgctttc ggatcccctg 180

ccaggccaac tgctcccact ggttctgcgg agagtgcatt attcgtgttt ggaaccatgg 240

agctgctgta cagccttgca agtgtcccat ttgccgacgc cttataaatt tgctggtacc 300

tgctaatgta tcacacgatc acaatgatga tccccaa 337

<210> 6739
<211> 315
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003a06b1

<400> 6739

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accactctgc tgcaatccaa tttcttgtcc tttcctgcgc accaatttcc ccatttttgc 180

gcggaaaggt tcaggcggcc ttcgatcgat ttgatgttct tgcccaagcg ctgaatttct 240

tggggtttct gaggctttag aagcttgtta gatcgacgga gatgcaccta gctctcagct 300

ccgatcactc agctg 315

<210> 6740
<211> 289
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003a07b1

<400> 6740

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ggtcggcgat gatggtcgat ggggcgagga ggctgagccg atgaccccgg cggcggcgga 180

ggggtcccag gggctcgagg accgacgtct gatgcagtcg tggttcctcg tcgtcaagag 240

ctagatcgag cgcccgacgg tgtagccgtc cagaggaaga ggaagaaca 289

<210> 6741
<211> 273
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003a10b1

<400> 6741

tctgagaaca acttacaccg actatgccgg tggtattgat cctaaaaatc tatcccggtc 60

aagtagtggc tacatcggga aattgaggtc aaatttcctc ggcaccaaat tcatcatgta 120

cgacacgcag ccgccttaca atgccagtaa actctgcccg caggaacgga ccagtcggcg 180

gttctcctcc aggaaagtct ccccaaaagt tccagctgca actggcagct acccgatcgc 240

tcaggtgaac tatgagctga acgtgctcgg cac 273

<210> 6742
<211> 313

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003a11b1

<400> 6742

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cactaaccgg cggcggtacg gcccctacgg ggacgagtac ggcacctact tctccaccag 120

cttcgccgac gggcgggtcg tggggttcca cggccgggag ggctggtaca tcgactgcat 180

cggcgtgcat gtccagcggg gcaaggtgcc gtcgtccctc aggcgggcca gcagcaggag 240

cccgtcgccg gcgccgcggt ccgactacga cccgagcgac gtggacgagg aggttcccta 300

cgcggtcatg gtg 313

<210> 6743
<211> 108
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003b01b1

<400> 6743

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gcaggagatg gcggacgcga agcagcatca ggccgcggcg cccaccgg 108

<210> 6744
<211> 302
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003b02b1

<400> 6744

tcgtcggtcg gttcctgccc tgcctgcgac gccacctctc gccgaccccg gcgtcgctcc 60

gccgctcgcc cacatctgcc agccgactcg cgcgcgccgg ccgaaaaggg tatcccatca 120

tggatgcagc aaaggacaca aacccgtcat gtaaactcca cacaagactg agactctggg 180

agtttgcaga ccggtatata ttcgaaccaa ttgatggtct tgctgactta tatttgacag 240

ctagcccggc cagtggatca atgaattcag ctgaagagtt ggcaccacgt agcccctcca 300

ta 302

<210> 6745
<211> 328
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003b03b1

<400> 6745

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agaaatcatt cgcgcctaag aggacgttta tgactggatg gtttttgaag actgccaact 120

ggaagagctc accttgcata cacatgaatg cacggagcaa acgtcgcggc tcttcattat 180

gcttcattat gctgtggatg cttgtgttac ccaacctctg gataatatgc agcggcagta 240

ttcataaaca cgttctcctg ccagggttca gtggctcaga aatggattac atcgataaca 300

atggaatatt tctgctctct aatggatc 328

<210> 6746
<211> 224
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003b04b1

<400> 6746

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taaaggtttg taccaatcaa ttaagattgc caatgggttc agcaacattc atttgggtct 180

agcatgtcat ggtttcgagg agtatgtatt gaggactcgc cttt 224

<210> 6747
<211> 355
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003b05b1

<400> 6747

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gggatccact ccatcttgtc cggccagcgg ttgacgacgg agatgaatgt cgaaaccacg 180

attgcggcct gcgaggtaga aaaggcagtg gaggaggctc tccaggaagt agagaggaat 240

cagctgcctg acagcgaggc cccgtttccc ggaagcagga ccgcctggcc tcaaacatca 300

cacgtgcaaa atgtgtgctg agaggtttct aaccacaaga gtcatgagac ccatc 355

<210> 6748
<211> 323
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003b06b1

<400> 6748

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aggaggagga cgtgcggctg ggcgcgaacc gctactcgga gcaccagccc atcggcacgg 120

cggcgcaggg cggcggcgcg gacgagaagg actacaagga gccgcccccg gccccttct 180

tcgaggccgg ggagctcacc tcctggtcct tctaccgggc cggcatcgac gagttcctgg 240

ccaccttcct cttcctctac atctgggtgc tcaccacgat gggcgtggtg ggcaacccgt 300

cggggtccaa gtgcggcacg gtc 323

<210> 6749
<211> 332
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003b08b1

<400> 6749

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acgttcccga gggcggtcaa cggatccctt tccttctgcg gctacaacgg cactgcttgc 180

tgcaacacga cggacgacgc cgctgtccgg aggcagtttg ccgcaatgaa catctcaggc 240

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gagctcttca ccgtcgggac aagccctcgg ac 332

<210> 6750
<211> 221
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003b09b1

<400> 6750

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gtgttccacg tcgacatgat catgctcgcg cacaaccccg gcggcaggga gaggcacgag 120

agggagttcg aggccctggc caagggcgcc ggcttcgccg gcatcaagac cacctacatc 180

tacgccaacg cattcgccat ctagttcacc aagtagatcc a 221

<210> 6751
<211> 290
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003b10b1

<400> 6751

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aagagaggaa agaaatcgaa gaggcagaga aacagaggga ggcagagatg ggaagaagaa 120

gaagcccggc tctgccgctg ctggtgatct tcggcatcct cgccggcgtc ctcgcagctc 180

ttcctccccc cgccgaatcc aggagcaggc accaccacca ccaccaccaa ggtcacgggc 240

accactcccg tgtgcaaagc agatggcacg gaggagaggg agagcagtcg 290

<210> 6752
<211> 327
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003b11b1

<400> 6752

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gagcttcagc gcttcggaat cgcagcgatc acccagacct tgtgtcatat cgatgtagtt 120

tgaacttgtc tgccaaactg cgtgggaata aattgtcgat gtgcatttct tcatgtactt 180

tatgtgtggt gcaagtgact tcagagtttt ccagtcaaat tggtggttgc gttgcaaaca 240

ttctgagatt gttgaaggaa aatggtgtgg gtggtatttg tgtgaatcat cattaccttg 300

tgaaatcaac aggcaagtgt ttttttt 327

<210> 6753
<211> 112
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003c01b1

<400> 6753

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caagcaagga tagcgtgggc caatacgagc ctcacatggc tttcaccctc cc 112

<210> 6754
<211> 289
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003c02b1

<400> 6754

tgtttaagaa gaagaagaag aagaagaagg agaagaagaa gaagcaagaa gaagaagaag 60

aagaagaaga agaagaagga gaagaagaag aagcaagaag atggcggacg aggggaccgc 120

caactgcatc gacatcatgc tcgccatgat cctgccgccg ctcggcgtct tcttcaagtt 180

cgcctgcggg atcgagttct ggatctgctt gctgctcacc ttcttcggct acctccccgg 240

catcatctac gccgtctggg tcatcaccaa gtaggactgc atgcaggag 289

<210> 6755
<211> 85
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003c03b1

<400> 6755

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gaccgcaggc atgggcgtct tgacc 85

<210> 6756
<211> 225
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003c04b1

<400> 6756

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atgcgtacgc cgactccgtc gcgccgaggg acggcgaccc tgcaaaggtc cccgacttcc 180

tggaggggat ggtgtacagc gcgacggagg gcagcatgat gaccg 225

<210> 6757
<211> 241
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003c05b1

<400> 6757

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accttgtcgg cggctgcaaa agccacgggt acggcggcca ggggcacgga tgcgaccagg 180

gctacggtgg ccacggtcag cagcagcacg ggtacgtgag ccacgggcag cacgggtacc 240

c 241

<210> 6758
<211> 225
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003c07b1

<400> 6758

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gattacagct gcctgaaata ccacccttcg gtggtggcag cctcagcaga gttccttgca 120

agatggacac tcgaccaatg atacctggca tggaactgta ctctcgagca ttacacctga 180

tacaaaagct gcgatattca aggatgcgta cgcgatctat gggag 225

<210> 6759
<211> 246
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003c08b1

<400> 6759

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ctcggcctcg gtggcggacg gtggggacgg ggagctgact gcgcgggaga ggcgggagag 180

gctgagggag gcgcgggagc tgaaggcgcg ggactggaag gaggaggtgg aggagcggct 240

catcca 246

<210> 6760
<211> 284
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003c09b1

<400> 6760

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gcggcatggc ggatcagctc accgacgacc agatcgccga gtgtcaagga ggccttcagc 180

ctcttcgaca aggacggaga tggttgcatc accaccaagg agctgggaac agttatgcgt 240

tcgctggggc agaacccaac ggaggctgag ctccaggaca tgat 284

<210> 6761
<211> 234
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003c10b1

<400> 6761

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ccagattcca tcaagacttt cgcagaagcc ctggacacca ccaagactgt tatctggaac 120

ggtcctatgg gagtctttga gtttgagaag tttgccgcag gcactgatgc aatcgcgaag 180

cagttggctg agcttactgg gaagggtgtc acgaccatca ttggtggagg tgac 234

<210> 6762
<211> 290
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003c12b1

<400> 6762

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acacacatga ccttcagcgt ctcgccggcg atggaggggg ggcaagggca cgagtacatg 120

atccgcttcg acagccactt cgacgacccg tcgccgagca ccgccaccgc cgagccgtcg 180

ccgtttgccg gaaggtcgat ctcgccggag caggagcacg gcgccatggt cgccgcgctg 240

ctgcacgtca tctccgggta caccacgcct gcaccggact tcttcttccc 290

<210> 6763
<211> 235
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003d01b1

<400> 6763

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tggcgtccac tcgcgtgctc cacctcatcg ccctcgtcct cgccgtcgcc accgccgcag 120

atgcggccac catcaccgtc gtcaaccggt gctcctacac ggtgtggccg ggcgcgctgc 180

caggcggagg cgtgcgtctc gacccgggcc agtcttgggc gctgaacatg cccgc 235

<210> 6764
<211> 226
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003d02b1

<400> 6764

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tgtgttcgat atgttgcgca ggcaatccct ccgtccagat aacatcaaga tgtttgtgtt 120

ggatgaagct gatgaaatgc tttcacgtgg tttcaaggat cagatctatg atatcttcca 180

gcttcttcca tcaaagattc aggttggggt gttctcagca accatg 226

<210> 6765
<211> 235
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003d03b1

<400> 6765

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gctgaggaag cttctgtggg ccagctttgc gggtgcatac ttgcgtatat ggactgtgcg 120

gcggcggcgg cggcgatcta ccggctgccg gaggagtgcg tggcgcacgc gatcgcgatg 180

actacgccgg gggacgcgct cagctcctcc gccgtgtccc cggcgttccg ggccg 235

<210> 6766
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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003d04b1

<400> 6766

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gagccatact gtgccgattt atgagggata tgcacttcct catgctattc tgcggctgga 180

tcttgcgggc cgtgatctga ccgattgcct gatgaagatc ctcacagaga ggggctattg 240

cttcaccaca actg 254

<210> 6767
<211> 314
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003d05b1

<400> 6767

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ttctgtcgac atcagatcct gcaatgaaga gatcacaaaa ttggtatccc acatgcacat 120

ggccatcatg aatgcagctc tgttcaagga gaagatcatt gagctcatcg taacatgtga 180

gagctatgag ataagtgcca tggtgcagaa ggaggtgctc aaggaagata tcacccgaag 240

gaattcgtat gtggacgagc tgaaagacaa actaaatgct gtagagattg agaacagaag 300

actgaaggtc gatc 314

<210> 6768
<211> 204
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003d06b1

<400> 6768

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accaaagtca acccaaggat gaagcagatc gctgccgata tcgagagggt cctcaagggc 120

atcgtggcca agagagagaa tgccatgaga gccggcgagg ccacgagcga cgaccttctc 180

ggtgtgctgc tcgagtccaa catg 204

<210> 6769
<211> 260
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003d07b1

<400> 6769

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acgtcgctga tatggtcaat ggtcttatga agctgatgaa tggagacaac accggaccca 180

ttaacattgg gaacccaggt gaattcacca tgctggaact tgccgagaat gtgaaggagt 240

tgatcaaccc agaagtgaca 260

<210> 6770
<211> 326

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003d08b1

<400> 6770

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gctcaacccg tacaacgtgg tcgccgcgcg gagcgcggcg gagcacctgg gcatgacgga 180

ggacgtggac aagagcaacc tcgtgttcaa gatcgaggtg ttcctcaact cgggcgtctt 240

ccggagctgg aaggactgca tcatcgcgct gcagagcacc atcgcgctgc tgccgtggtc 300

cgaggacctc aggctcgtcg cgcgct 326

<210> 6771
<211> 353
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003d09b1

<400> 6771

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ccctactctg ctgtggtgtt gtgggagcaa gaagagcatg catgctttct ctctacatct 120

agggtccata cggccagatt gacgggccta aactctggct tcactcggat ttatgtgaat 180

ataagcgtaa gaggtctagt ggcaatgcta caaaatcatt gcaggcgtga gtatccggat 240

tgcactactg ctggccgttt cttgcgattg cgtacaacag gcttgtgaca aagccaagtc 300

atggcctcat taggcccctt ttttcagcca aactgaaagc acttcatgtt agc 353

<210> 6772
<211> 273
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003d10b1

<400> 6772

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ctgcagcctg cagcgcctcc tgctgtcgac cgtggacgag ctatggcgag gggcgccaca 180

ctggtgcggt cgccgccgcg agcatgggca cggttaggcc gctccaccac ggcgcgcgcg 240

gggaggggcc ggcgggcgca gatggcctga gat 273

<210> 6773
<211> 202
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003d11b1

<400> 6773

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gctcgccggc gtggcactgg gaggggggcgc ggcggagggg gccggcgagt gctggaggtc 180

ctcccccgac cggatggccc tg 202

<210> 6774
<211> 364
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003d12b1

<400> 6774

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ttcaagctct gcaaggtcag gtctgtccag tttggccaga agggcatccc atacctcaac 180

acctatgatg gccgcaccat ccgctaccca gacccactca tcaaggccaa tgacaccatc 240

aagcttgacc tggagaccaa caagattgtt gacttcatca agtttgacgt cggcaacgtg 300

gtcatggtga ctggtgggcg caacactggg cgtgttggtg tgatcaagaa cagggagaag 360

cata 364

<210> 6775
<211> 245
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003e02b1

<400> 6775

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ccacccggcg cgcgcagcag actaccgact aaccaaccat tctcaccatt aaccaccaat 120

tcctcccgtg acagggagga cgccgagagg cagcgaagaa ggaaggaagg aggcaaggtt 180

gagacaacag ccagcaatgg agaaggcgct cgacaggcag aggatcctgc tgcggcacct 240

ggagc 245

<210> 6776
<211> 90
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003e03b1

<400> 6776

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ttggcgtctc tatgtcacct ggagaatctg 90

<210> 6777
<211> 307
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003e05b1

<400> 6777

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tcgcccaacg tgccacccac ggagttcccg ccctccgtcc actcgcacca ctaccccggc 180

tgggccggac ggtaccctta cgggctccag ccgtccatgc ccacgcccta cgtcgagcac 240

cagaaggccg tgaccatccg caacgacgtc aacctcaaga aggagacgct ccggattgag 300

ctcgatg 307

<210> 6778
<211> 183

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003e06b1

<400> 6778

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agctgcccgt gctcggcgcc agcctccact ggacgtacca cgcctggaac ggcacggccg 120

acatcgcctt ccgggcgccg tacggcgccg acgggtgggt cggctggggc atcaacccca 180

gcg 183

<210> 6779
<211> 334
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003e07b1

<400> 6779

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gtgggacgac atccagcgca aactcgggaa cctgcccgag aagccggagc ccttcaagcc 120

gccgcccttc gcccccaggg tcgacgccga cgagcagccc aagtccaagg agtggctcga 180

cgcgcgcgac cccgacgagc tcgaggagct cgaggacgac ctcgacgatg accgcttcct 240

ggagcagtac aggaggatga ggcttgcaga gctcaaggag gcagcaaaga ctgccagatt 300

cggcacagta cagcccatca caggctctga tttt 334

<210> 6780
<211> 362
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003e08b1

<400> 6780

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gcaacgacgg tcatgggtac ccacccggtg gccaggggg ataccctccg caagggtacc 180

cgccgcagca gggaggttac cctccacagc aaggataccc gcctgcacct ggagcttacc 240

cacctgcacc tggggcatac cctcctgcac ctggggcata ccctcctgca cccggagcgg 300

gtggcagtga ctgggagaag gtgctcctct ccaacatcat gcacggtgtt gccggtgctc 360

at 362

<210> 6781
<211> 186
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003e09b1

<400> 6781

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ctccccccac cgttcgcccc gcggcggagc cctgcaacaa cctcttcgtc tcaggtttga 180

ataagc 186

<210> 6782
<211> 359
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003e10b1

<400> 6782

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gagttcaagc aactcaatgt ccatgcatgg gaggcttttg acaaggggca ggatttccat 120

atgcaagcag ctccatctca agctgaacta ctgtacaaga gtttcaagat caagaaggag 180

aagttgaaat ctgaaagcaa ggacaaaatt atggagaagt atgggaatgc tgcatctgac 240

gaaccaatcc ctcgtgagct tcttcttggg caaagtgaaa aagagattga gtatgaccgg 300

actggtcgca taatcaaagg acaggatgta gctcttgcta agagcaaata tgaagagga 359

<210> 6783
<211> 172
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003e11b1

<400> 6783

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tcaccactca tgggacatac tactagcagt atgtgctgat gtgcagggtg catgcatgta 120

tgagtgcaca tgcgtgttgt cacacacgaa ctcaaaaatg tttcagattg tg 172

<210> 6784
<211> 268
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003e12b1

<400> 6784

tgattggcac ctgtccgacg cctgcttctt gggatcagtt ggccggaaga tcagcagctt 60

tagttgccta ctgattcctc ttttgcttgg gtgtggaagg atggcagagc actctgagaa 120

tgcggcagag aacatgatga gcggcatcat ggacgccatt gccgacaagc tccccaagca 180

aaagtctgtc aggttcgacg atgagggctc catttccggc caagccaaga agctcttcgg 240

cggccacaag tctgttcacc acatcctc 268

<210> 6785
<211> 190
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003f01b1

<400> 6785

ttatttatgg ctggcacaag aattctggcg agaggcggat attctgacaa agcttcatca 60

tccaaacgtc gtagccttct atggcgtggt gaaggacggg ccgggcggta ccctggcgac 120

tctgaccgag ttcatggtga atggttctct tcggcatgtc ttgcagcgga aggacaagtg 180

tcctgatctc 190

<210> 6786
<211> 247
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003f02b1

<400> 6786

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acgctccggt ccctggtgtc cggcctcaag tacctgatcc gcgccagctt cctgtatgga 120

aactacgacg gcctcaacag gccgcccgcg tcgtttgacc tccacatcgg cgtcaacttc 180

tggaagacgg tgaacatttc aacgtggggg gcagaccagg gaaacactgc agtggtggaa 240

gccatcg 247

<210> 6787
<211> 174
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003f03b1

<400> 6787

tcttttcgca tgggcggacg cgtgggcgga cgcgtggcac aagcacaaga gcaaaggcag 60

cagcactgca gcattgcgct agtgtcatag ctcgatcggc gcaggctatc tagctagtag 120

cgtcgacccc cgccctcccg gagcgcagcg tctggcaggg tgcgcgagat ggcg 174

<210> 6788
<211> 365
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003f05b1

<400> 6788

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gaagcggcag ccatggcccc caaggcagac aagaagcccg tcgccgagaa caaggtggag 120

aaggcggcgg agaaaacccc cgccggcaag aagcccaagg ccgagaagcg gctgccggcg 180

ggcaagactg cgtccaagga ggccggcggc gaggccaaga cgaggggccg gaagaagggc 240

agcaaggcca agaagagcgt cgagacgtac aagatctaca tcttcaaggt gctgaagcag 300

gtccaccccg acatcggcat ctcctgcaag gccatgtcca tcatgaactc cttcatcaac 360

gacat 365

<210> 6789
<211> 297
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003f06b1

<400> 6789

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cgccgccgat ccagccgggg aaaattacta ccccacagtc acgaccgcgc acggcgacgg 120

cggccacaca gcataccccg ccgccacgat gccgtccgcc tccagcgccg tgccacccgc 180

cgcggcgccg ggagacgagt cccaatccca gaaggtcctc ctcggcaggt acgagctggg 240

cgggctcctc ggccgcgggg cgttcgccaa ggtgtaccgg gccagggacc tcctcac 297

<210> 6790
<211> 290
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003f07b1

<400> 6790

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gaggtgcaag gccaactctg aggccaccct gggtacctac aagggcgatg ccaccctctg 120

cgaggggggcc tctgagagcc tccacgtcaa ggactacaag tactgatctg ccttcggtgc 180

ggtggcctgt ttgggtgtcc tgcttaccag tattatcgtt tggttttcag agtcttgata 240

tatacttcgg atatccaacc tagtatggaa cttgtgctct caaaatagct 290

<210> 6791
<211> 216
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003f08b1

<400> 6791

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ccgccggcgc ggcgggggca gagtcggcga ccccctcgct gcacattggc gtcaactacg 120

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ccaccatcga ccgcgtcaag ctcttcgacg ccaacc 216

<210> 6792
<211> 223
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003f09b1

<400> 6792

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cgggggggag gggaggctga tgatccggca ggtgtgggcg aacaacgtgg agtcggagtt 120

ccaggcgatc cggcaggtgg cggagcggtt cccgtacgtg tccatggaca cggagttccc 180

gggcgtgatc cactgcccaa gcaagcacca cgcgacgctg acc 223

<210> 6793
<211> 315
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003f10b1

<400> 6793

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caccagaaac gaatagcaga gaatttcctg actacagcac aaagaaacag aaaaatttct 120

gacttttttc cccagtggat tagctttctc cggttgttaa ttccgagacg agatgccggc 180

gtcggggtgc atcatcggtc ctcctcggcc cggtcctacc agcagccgcc gtcggctcgg 240

gagtcgtcgg ctcggtggag cgtggaggcc gcgcggcagc cgccgtcgtt ccggtggcac 300

agggaggtaa gcaac 315

<210> 6794
<211> 198
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003f12b1

<400> 6794

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ccatcctcga cgccgccgcc gccgccggga aggagtttga tttgttgagg ggagttttgg 180

atgggggacc atgtggtg 198

<210> 6795
<211> 248
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003g04b1

<400> 6795

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cgtctaccgg atgaaggagc ggtgcgagcg caccaaggcc gtctgggcgc tcccgctccg 180

cccctacggc ttctggacct tcgaccgctt caactcccag ctctcctggg acccccagat 240

cagccagg 248

<210> 6796
<211> 226
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003g05b1

<400> 6796

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tacttttcct cttctaaagc gttgatgcat gcaacgttct tccggagcta aagcctagag 120

cttctgctgc tgtaagcgac agggtataaa ttcttatgac aaatgttcaa gttgttgaaa 180

tgaatccaaa gaagccagtc tattgttgta tcaacaagta cattgc 226

<210> 6797
<211> 315
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003g06b1

<400> 6797

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tctcacaatt atgtgctgaa cagaatttat aggtatggca tctggaggat gaattaatca 120

gcccttgcct gttggaagaa ctaccgaatc aaggtgatca aatagacgat ctgaaaatac 180

tgttcgactg tatctgcgaa gctctaacag agatccagga gagatatttt agactctctt 240

cttggttgac gtttctcaaa cacgacatac gggcacctac aatgggagaa gacctcgtcg 300

cagaagttga caaat 315

<210> 6798
<211> 310
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003g07b1

<400> 6798

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tggagccctg gatctcgcgt ctggccttgg cgggaagatc gacaaggaac aagtcaaatc 180

ggcggtcgac gagtatgaga aatatcatgg atactacgga gggaaggagg aatcgaggaa 240

atccaactac accgatatgg ataataaata ttatgatctt gctactagct tctatgagta 300

tggctggggt 310

<210> 6799
<211> 223
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003g09b1

<400> 6799

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accaagggcg aggggccggc catcggcatc gacctcggca ccacctactc gtgcgtcggc 180

gtgtggcagc acgaccgcgt tgagatcatc gccaacgacc agg 223

<210> 6800
<211> 399
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003g11b1

<400> 6800

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atttagtctg ttattcttat catctgcttt cctaaccacg aaactgagac tatgtatttt 120

atttgtcctt tttacacacc cttattgtgt tattcactcc cttttagttg ttgatttatt 180

tgaaaatgta ttgcttgcca gcttttgcat tgtcattatc ttgaaatcaa cttaaatgtg 240

tgtgtgaact gctaacttgg ttcttcctcc cggatgtgat tccttagacc tttcatcatc 300

atattcattt cattgtatat tgcaagactc gcattcaaat gttgaatttg ttattcgatt 360

gttcttgttc tggcattttg attgaaaaac tggaatcct 399

<210> 6801
<211> 270
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003h01b1

<400> 6801

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ccgttcgccc cgagcggtgg cacgaacgag gccaggaact gatgaagcaa ccgcagggtt 180

ttccagtagg atagatggat cgatctctac aagagaaatc gttcagcata catatgctca 240

ctggctgata gtttgttctg ctttgcagta 270

<210> 6802
<211> 390
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003h04b1

<400> 6802

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gaaatcataa ccataaacga tcattcatgc gaagccattt ctgatgccaa gagcagtccg 120

gaggtaacca ctgacagaga attggttgtt tcgtctcatc aagcagttga tgatactgag 180

aggagcccac agccatcaga gagggaactt gtcggtacga gtggtcatcc acctgagctt 240

gtttctcttg acagagaaga agcagccagt acgaatggtc agtcagacgc tgatgacaag 300

agaagcccag agcatccgga gcagaaattt gttttggtag aaggtcactc gcatgaactt 360

atatctgatg tttggaaaga aattgctggt 390

<210> 6803
<211> 237
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003h05b1

<400> 6803

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aggcagcggg tgatccagcg cctgcaagcg gcgatcgagc ggcgcgcgtc cgagggcgtg 120

aggctggagc tgcgcatctc cgaccgccgc gggctgctgg cctacgtgac gcgcgtgttc 180

cgggagaaca gcctctcggt cacgcacgcc gagatcacca cccggggcga catggcc 237

<210> 6804
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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003h06b1

<400> 6804

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ggagattgca cacatcgaga agaggacggg caagaaggac aaggacaaga agcccgggat 120

catcgtggtc cagggcccca agcctgggaa ggccacagac atggcacgga tgcgccagat 180

cctgtcgaag ctgaagcaca caccaccgcc acacatgaag ccacctgcac cacccgacgt 240

ggcacccgtc gggaaggacg gagctccggc cgccgctgga aaggacggag ctaaggcggc 300

agcg 304

<210> 6805
<211> 281
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189003h07b1

<400> 6805

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tggattgtac ttcttgttat ggtcctcctg ttcaagcttt tcaccgcaac tccaaggaag 120

tcaactgcct tgccgatatt tattcggttt ctacagggcc tccttgcaat tggcatcatt 180

gcagcaattg catgccttat tggatttaca gactttacaa ttgctgattt atttgcaagt 240

gcactagctn tcttagcaac tggatggtgt atcttatgtc t 281

<210> 6806
<211> 212
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003h09b1

<400> 6806

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ggaagacggc gtgcgtcacc ggagggagcg ggtacatcgc gtcggcgctg gtcaagatgc 180

tgctggagaa gggctacgcc gtgaagacca cc 212

<210> 6807
<211> 339
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003h10b1

<400> 6807

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ccggaatggg gcggtcgccg tgctgcgaga aggagcacac caacaagggg gcctggacca 180

aggaggagga ccagcggctg gtcgcctaca tcagggccaa cggcgagggc tgctggcgct 240

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actacctgcg tgccgacctc aagcgcggca acttcaccg 339

<210> 6808
<211> 416
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003h11b1

<400> 6808

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acaattggaa tgcaaataat ccaatagact ggatttccga tatgtttgtc ggggtccgag 180

ggtctacggt tttgcatgcc aatgttgtgg gacaaagcgg taatacagtc caggtgaatt 240

ccttttctgc tgcacgtgct tatgtcccat tgcccaatct tccgggaaac tccaatacga 300

tttctacttc ggtttccgtc actgctggtc tcattaatga tatcagtcgc gacgcattat 360

cgaatgcacc atctaccgga agtgggctca gtctcactaa ctgtgcaaca cagtca 416

<210> 6809
<211> 369
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189003h12b1

<400> 6809

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cgaagaggag aagcacggcg acctagcccg agctcgcaac catggctagg ggtttgaaga 120

agcatctgaa gaggctcaat gccccgtctc attggatgct tgacaagctt ggtggagctt 180

ttgcccccaa gccatcatcc ggtcctcaca aggccaggga gtgcctgcct ctgatcctca 240

tcctgaggaa cagactgaaa tatgctctca cctaccgtga agtgcaatct atccttatgc 300

agcgtcatat tatggttgat ggaaaggtcc gcactgacaa gacctaccct gctggtttca 360

tggacatca 369

<210> 6810
<211> 244
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004a01b1

<400> 6810

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caccagccca tcggcacggc ggcgcagggc ggcggcgcgg acgagaagga ctacaaggag 180

ccgccccccgg ccccccttctt cgaggccggg gagctcacct cctggtcctt ctaccgggcc 240

ggca 244

<210> 6811
<211> 297
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004a02b1

<400> 6811

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tatcccatga ataccgccgt aggaggaaag aagagactga tgtagctcga agtaggatag 120

aaacatatgt aaggtcttca ctccgtacag cttttgctca aagaatggaa gaagcagatt 180

caaagcgatc atcgaggaac cctaccccag ttatgtctat ccttgcaaag gacattggtg 240

acctagcaat taaggagaaa aatctgtaca gtccaatatt gaagacatgg catcccc 297

<210> 6812
<211> 316
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004a03b1

<400> 6812

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ggcagctccg tcctagcacc aaccaatggc gacgtcgcgg gcggacgtgg agaagggcgg 120

gtcgtcgccg aggaaggcga agcaggagcc gggcaaggtg ccgtcgccgc tgtacccgca 180

gcacgagggg gagcgggagt ggacgccctg gctggtgccc tccatcctgg tcgccaacat 240

caccgtcttc accatcgcca tgtactacaa caactgcccc gcccacaacg ccaagccggg 300

gcgcgacggc cagtgc 316

<210> 6813
<211> 339
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004a04b1

<400> 6813

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cctcatcatc gtgtccgggc tggacctcac ctgcgaccgg cagctgggct acgcggaggg 180

cctccgggag gacgggcacg acgtgaagct ggtgcaccgc gagaaggcca ccatcggctt 240

ctacctgctg tccaacacga accactacca cgaggtgatg gaggagatcg ccgagttcgt 300

ccgagctaac ctcctgtagt acatacacca gcccagtcg 339

<210> 6814
<211> 289
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004a05b1

<400> 6814

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gaggaaacgg gggcgacggc ggcttcaggg ccggcggcgg gcggagaggg caagatgacg 120

atggtggtcg gggtggacga gagcgagcac agctactacg cgctgcagtg gacgctcctc 180

cacttcttct ccccgggcca gcagcagcag taccgcctcg tcgtcgtcac ggccaagccc 240

accgccgcgt ccgccgtcgg cctcgccgga ccaggtgccg cggacgtgc 289

<210> 6815
<211> 296
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004a06b1

<400> 6815

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ctgcgtggcg acgatgaagc tggttcgacc agattagtac agccagcagt gtgcgatgtc 120

aaccaccatg atgaatctga gctcggcgcg gttcgttgcg agttgagacg ggatctacaa 180

actgaatctg tctccccgtt gaagaccctc tctgttaaaa gactcacgga agaaacaaaa 240

tgagagaaat ggcggagact gctcttcttc ttgtcacaac aaagatcgga atagct 296

<210> 6816
<211> 91
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004a07b1

<400> 6816

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agatcaccgt gactcgacgc accatgccgt g 91

<210> 6817
<211> 293
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004a08b1

<400> 6817

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cagctagatt agattagcgc ataacattct tggcctctcc aatcctctgt ctctgtctct 120

actcagctag ctaccagatc cccggaaacc ggagagcgca gatggcaagc agatccgccg 180

agcttctctc gaggatggcc gccggcgacg gccacggcga gaactcgtcc tacttcgacg 240

ggtggaaggc gtacgacatg aacccttcc acccgcagga caaccgcggg ggc 293

<210> 6818
<211> 278
<212> DNA

<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189004a09b1

<400> 6818

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gagtatgttg tgacaagatg gtacagggca ccagagcttc tgttgaactc ctttgaatat 120

actgcagcaa ttgatgtgtg gtctgtgggc tgtatattta tggaactgat ggatcggaaa 180

cctttgtttc cgggaaggga ccatgtccat cagctacgcc tactaatgga gcttattgga 240

acaccaaatg aggccgattt ggattttgta aatgaaaa 278

<210> 6819
<211> 334
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004b01b1

<400> 6819

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ggaggtgctg tgtgctctac ctgtactgta aaagattcat cccatggccg cggagtctgc 180

ctggtgctgg ccgtggctca gctccggcac ggcgtggttc ctcttcttca acgtcttcgt 240

cggcgccgtg gccgtcctgt cctggcggca gggcagcgac ccggagatgt cgaggcggag 300

gaggctcacc cggagcgcgt cgtccatggt catg 334

<210> 6820
<211> 273
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004b02b1

<400> 6820

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gtggacggtg tcggcccggt ggcgtgggac aacaacgtgg ccaggtttgc gcaggactgg 120

gcggcgcagc gcgccggcga ttgccggttc cagcactccg gcgggccgtt cggcgagaac 180

atcttctggg gttccgggca gtcgtggacg gccgtcgacg cggtgaagct gtgggtggac 240

gagaagcaga actaccatct tgacagcaac acc 273

<210> 6821
<211> 315
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004b04b1

<400> 6821

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cagattcatc aacacaggtt acatcagtag tcaatatggt tcggatgcat aatagtacgt 120

acttcatttc ctttttgttg tgtacggtga cctacaacat ggatcatatg taccggttat 180

ctttcaggtt cagtttgctg tggcgaattc ttcttgaatt tgttgcggca aacttgtggt 240

catgtatggt ttttagtttt gtaagcatgc atagtttaga agttagaaag ctcgttcatg 300

tattgttcta aactg 315

<210> 6822
<211> 305
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004b05b1

<400> 6822

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gattcaatga tcgagttatg cgtggtagtc catcaataaa ttccacttac tctcaacatg 180

attcaacatg ggttgaagga aggagctgct caacactaga tatttcttat cacaagaaac 240

ggtattctcg gaggagccca cctctgagaa tcacctcaag aaatgacatg ttcgatttaa 300

tggat 305

<210> 6823
<211> 175
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004b06b1

<400> 6823

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tgagtttgtt caacccgtcg cgggtgcggc gatgagcctt tcgctggtcg ctgttatttt 120

cacaacggct tattccattg cgcgctttcg ccgtcaactc attcgcgctc agaag 175

<210> 6824
<211> 231
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004b07b1

<400> 6824

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gggccgaggg cgcgggtggg cccgacggcg tctgcgcggg cgcgggggcg ggcgggcgga 180

ccgcctcctc ctccaccttc tggttcctgc tccacgcgtt ctgctgcctc a 231

<210> 6825
<211> 326
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004b09b1

<400> 6825

tcttccacgc gtccgcccac gcgtccgggg ggcataattc tttcagaagt gggtcccaca 60

gcaagtgaag atgcgctgaa ccttatttcg tggctttgct catgggaccc acgtaaacgg 120

ccaaccgcag tggaggtttt gcagcatccc ttctttcagc catgctttta tgtcccccct 180

tcacttcgtt tcagatcgac cggatatgca acaacaccac catcagttgg ggctaaagga 240

gctatggacc agaagaatgc taggcgatac cctgtgggga ctttatccaa tgggagaccg 300

gcagtcaata actcgtactt gagcac 326

<210> 6826
<211> 229

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004b10b1

<400> 6826

taagccaagg ccaagagccc agtgaagcag cggccatgga gggcaaggag gaggacgtgc 60

ggctgggcgc gaaccgctac tcggagcacc agcccatcgg cacggcggcg cagggcggcg 120

gcgcggacga gaaggactac aaggagccgc ccccggcccc cttcttcgag gccggggagc 180

tcacctcctg gtccttctac cgggcgggga tcgccgagtt cctggccac 229

<210> 6827
<211> 165
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004b11b1

<400> 6827

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agagagagca gaactcgttg ggagtgctcg agatctgcgt cgggagaggg ggaattcttg 120

agatcggaat cggaacaagc gggcgcgctc gggatcgggg ttacc 165

<210> 6828
<211> 264
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004b12b1

<400> 6828

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agaattgcaa gaagtttaag gacttggttg acgagatcgc tgagtcgctt gcaaagaatg 120

agggcggtga aagcgaagaa ggttcttctg cggctggact gctggagaaa cttagtgtaa 180

gcgaaagcaa acctgaggaa agtgcagcta aggaggaatc gactgatgct agcaaggaga 240

cagaaaccaa agccgcaaca gccc 264

<210> 6829
<211> 290

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004c01b1

<400> 6829

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atcgcaggaa aagaggtcag aacaggttta gaaggacctg ggctttcagt ttctcaaaag 120

atcttgtact gtattagcac tgttggtggc caatacttat tgtcccgatt gcaatccttt 180

tctgctttcc gtcgatgggg tgattcagaa cagagaccac tagcacatcg tgcttggggc 240

atggtgcagc acgctgaagg actatacaga gctgtttcat tctttaacct 290

<210> 6830
<211> 260
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004c02b1

<400> 6830

gtggcggctt tggagggggt agctcgtgag gacgcataca aagcgtggtg aagatgtggt 60

gcataccatg aaggtttcgt tagaagactt gtacaatggt gctaccaaga agctatcttt 120

atcacggaat gttctttgtg gaaaatgcaa gggaaaggga tccaagagcg gggcaacggc 180

tacttgcagt ggttgtcgtg gtgcaggaat gaggatgata acaagacaga tcggacctgg 240

catgatccaa cagatgaata 260

<210> 6831
<211> 336
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004c04b1

<400> 6831

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aggaactaaa ccctttactt gaattgtgca tccaggatcc acgaacttct cactcaaatc 180

tggcaaaaag caatacaaat ggcttgggac aacagaacca ttagcacat tggttaagca 240

tcgtgaaagt cctcgccaac tatttggatg tattaaaggc gaaccatgtc ccatcaattt 300

tggtgcataa attgttcgta cagatatttt cactga 336

<210> 6832
<211> 358
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004c05b1

<400> 6832

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ggatcgagcg attcctccga tcaggagagg ccagccggga ggaagagcac ctacgcggga 120

ggagaggaga tggggctcac gttcaccaag ctgttcagcc gcctgttcgc gaagaaggag 180

atgcggatcc tgatggtggg tctcgacgcc gcgggaaaga ccaccatcct ctacaagctc 240

aagctcggcg agatcgtcac caccatcccc accatcgggt tcaatgttga aactgtggag 300

tacaagaaca tcagcttcac tgtctgggat gtcgggggtc aggacaagat caggccac 358

<210> 6833
<211> 264
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004c06b1

<400> 6833

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gatgtcttgc aactgcggat caggctgcag ctgcggctca gactgcaagt gcgggaagat 120

gtaccctgat ctgacggagc agggcagcgc cgccgccgag gtcgccgccg tggtcgtcct 180

cggcgtggcg cctgagaaca aggcgggaca gttcgaggtg gccgtcgggc agtccggcga 240

gggctgcagc tgcggcgaca actg 264

<210> 6834
<211> 321
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004c07b1

<400> 6834

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ggttcgtctg ccgggggctc ctctcctctc gtggtcgatc ctggttgagc gtcattgagt 180

taaagggaac atgtttcgga aaaagcaagc ttctcatttc gattcagatg atgctgagca 240

gagacaagca aagatcaagg aactaaaagc tgcacttggg ccttttttctg cccgtggaaa 300

gaaatattgt gatgaagcat g 321

<210> 6835
<211> 276
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004c10b1

<400> 6835

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caagattagc tccaacgaac acgaattact gtggattagt gcgaggcttt ggccgcggca 120

aatctggggc ggggcggttg gaagagtcgc ggccgaattg tttggtcgag cagatgatga 180

cggcgaacgc gaaactccag aagcaggcgc tgctgccgcc gcgtagcccg ttcccgacgg 240

cagcgtcgcc gtccccgtac gcagaccatg gcccga 276

<210> 6836
<211> 262
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004c11b1

<400> 6836

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gctgcggcgg ctgcaacatg tacccggagg ccgaggccgc cggtgccacc ctccttgtct 180

gcgccaccgc cacccacaag gcgagctccg gcgggatgga gatggcggcc gagaacggcg 240

gctgcggctg caaccagtgc aa 262

<210> 6837
<211> 195
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004c12b1

<400> 6837

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ttctggaacg ttcacatgaa agatgccggg cctcatatat ggaggctgcc cttgagaaac 180

aaagttatat tcttc 195

<210> 6838
<211> 274
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004d01b1

<400> 6838

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ctcaaaccag atgtagctcg aattcatgtt catggagtaa attcgaagac tagtcctaac 120

aatctgcctc caaaatccac tatatatatg ccccccttcga gctaaataac ccttcatcca 180

aacaagccaa ggcaagctac tagccagtac ttggagaaac caacaatggc gccgctcgca 240

gcccggagcc ggaggccagc ctgcctccta gccc 274

<210> 6839
<211> 279
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004d02b1

<400> 6839

tgttcacgcg tccgcccacg cgttcgccca cgcgtccgcc cacgcgtccg cccacgcgtc 60

cgcgcgccgc cgcagccatg gtgaagtact cgacggatcc cgccaatccc accaagtccg 120

ccaaggccat gggccgggac ctgcgtgttc atttcaagaa cactagggaa acagcgcttg 180

ccctgaggaa gatgtcgctc aacaaggcca agaggtacct tgaggatgtg ttggcacaca 240

agcaagccat ccccttccgg aggtactgcc gtggtgttg 279

<210> 6840
<211> 310
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004d03b1

<400> 6840

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cctccaaagg gcatattgct gtttggacca cctggctctg gcaagaccct tattgcgagg 120

gctgttgcca atgagacggg cgcattcttc ttcctgatca atggcccaga aattatgtcc 180

aagttagcag gagaaagtga gagcaatctc aggaaggcat ttgaagaagc agagaagaat 240

gcaccatcaa tcatcttcat tgatgagatt gattcaatag ccccaaagag agagaagacc 300

aatggagaag 310

<210> 6841
<211> 367
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004d04b1

<400> 6841

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gcatcctgtg tcgctcggct gcggggatgg tccgacggcg gtggcctctg tgcggcgcgg 180

gtggtggtcc caggcggcgg tgcttccccg ggctcgcccc gatctgtctc cgcctgggtg 240

tgctgcggca tgcgcagctg gttctgggcg gttccgtctc agatccgcta ggggcgtccc 300

tttcctgcac ctgctgcagc tcggctcccc ctctcgcttg cgtgtgtacg gcgtgggtgc 360

cctggag 367

<210> 6842
<211> 351

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004d05b1

<400> 6842

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agccccctgt ctggaccctg cagagacgcc gcccgcagct gatgaagatg atggacgcgt 180

cgaccgcatc agcaacctcc ccgaccccat cctcggtgag atcgtctccc tcctccgcac 240

caaggacggc gcccgcaccc agatcctcgc gtcccggtgg cgccacatct ggcgcaccgc 300

gcctctcaac ctcgactgcc gtcgtctccc cgacgaggag cacgggctca c 351

<210> 6843
<211> 411
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004d06b1

<400> 6843

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gtctgcttaa tgcacttttt agaatgttta cctgaatcat agaaacttta tcaaataata 120

ctatatatgc aagtttgttc ccgtgatcct gtttattact ttgtttcttc agttgtttat 180

aatggacaaa cactgcagtt ctccctttt ctagtgtggg tactggtgcc agcattagaa 240

acatgacagt acctttttta gaaaatagag tttgtagatt agaataagca atgtagtatt 300

gatattaatt ccttgggtag tgggcagttt atgtgataat atagtaacta tcgtattact 360

caccatggct ggttacccaa agaacatctt gtggtaggta tgcagcataa a 411

<210> 6844
<211> 310
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004d07b1

<400> 6844

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gccccggcct tggaagggac tcatttctta tggattgtat cagtaatatc atgaggcatg 120

cacgacaggc taatatccca actgttgtgg atggggatgg ccttttcctt ataaccaata 180

acattggtct tgttgaagac aactcacttg ccatcttaac accaaatgta tacgagtaca 240

agcgtcttgt gcagaaggtt cttaactgtg aagtaaatga ggaaaatgct tctgagcaac 300

tgactgcact 310

<210> 6845
<211> 265
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004d08b1

<400> 6845

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caaggttgga tggcgccggc ggtgaaggtg tacgggtggg ccgtgtcgcc gttcgtggcg 120

cgcccactgc tgtgcctgga ggaggccggc gtcgagtacg agctcgtgtc catgagccgc 180

gcggccggcg accaccgcca gccggacttc ctcgcccgga acccccttcgg ccaggtcccc 240

gtcctcgagg acggcgacct caccc 265

<210> 6846
<211> 319
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004d09b1

<400> 6846

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agcgaccctc caaaatctgt atttacggaa gagtatggct gattctcgat gtcaatcctc 120

gacagaacat gggtataaat tctgtcaaga gtatacatta cctaacaaac aaccacaaca 180

acaatacaaa ctcgaagatc cagagtgggt ggcagatgat gcccgcctgg ctagagcaca 240

agatcgtcta cgcaattatt tgcgttcaca gcaacccgaa gaatttgatg tctttccgga 300

atctctccgt ttggagtta 319

<210> 6847
<211> 283
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004d10b1

<400> 6847

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accaacggct cccagttctt catctgcacc gtcccctgca attggctcga cggcaagcac 180

gtggtcttcg gcgaggtcgt cgagggcatg gacgtcgtca agaacatcga gaaggtgggc 240

tcccgcagcg gcacctgctc caagcaagtc gtcatcgccg act 283

<210> 6848
<211> 283
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004d11b1

<400> 6848

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gagagttcga ggacaggccg cgcacgtacg tacgtgtgat cagtacattc catactgctg 180

tgccgcccgt gtctagcttc ttgccggcgg tcgacatgtg gggcgacgtg gtggcgctcg 240

tccggcaggg cctgcggtgg cggcggcgca tggggaggag gtc 283

<210> 6849
<211> 186
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004d12b1

<400> 6849

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cgcggtcgag agagatggcg tacgcggcgg gctcgccggc ggtgccggac tggctgaaca 120

agggcgacaa cgcgtggcag ctgacggcgg cgactatggt gggcatccag tccatgccgg 180

gcctgg 186

<210> 6850
<211> 161
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004e01b1

<400> 6850

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atcaagacct ccgtgaagaa ctgggtgacg caggtgtcga agaaggtgct gaccatgaac 120

cccaccgggg acctctgcag cgcgcgcttc agcgagaaga g 161

<210> 6851
<211> 318
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004e02b1

<400> 6851

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aagaagctct gcgactccca gttcgacctc tggaagcagt cctacctggc cgccgccgct 180

gccgtcgacg aagagctccg ccgcaccagc cgcctggacg cggtcaacag tggctccact 240

gctctgtccg tcgttaaaaa gggtgacacg atggtgatcg cgaacgtggg cgactcccga 300

gccgtcctgg ggaccacg 318

<210> 6852
<211> 331
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004e03b1

<400> 6852

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gtctcagccg cggcagccat ggcgaagacc taccccgttg tcagcgccga gtaccaggag 120

gccgtcgaga aggccaggca aaagctccgc gccctcatcg ccgagaagaa ctgctccccg 180

ctcatgctcc gcctcgcgtg gcactccgct gggaccttcg acgtgtcgtc caagacaggc 240

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gacatcgccg tgcggatgct cgagcccatc a 331

<210> 6853
<211> 318
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004e04b1

<400> 6853

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tacattggca cccctggcaa gggtatcctt gctgctgatg agtccaccgg caccatcggc 180

aagcgcttcg ccagcatcaa tgttgagaac gttgaggaca accgtcgtgc cctccgtgag 240

ctcctcttct gcacccctgg tgccctccag tacctcagcg gtgtgatcct gtttgaggag 300

accctgtacc agagcacc 318

<210> 6854
<211> 409
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004e05b1

<400> 6854

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attggggatg gtgatggctt cactgctcat gtgaaggaga tggcaggtga tacaaacaac 120

cgagatccaa agcaataccg aataagaatg agagggattg atgcaccgga gctgaacatg 180

gaatatggga agaagtcaaa gaaagggttg gtgaagctta ttggagagaa atgcgttgag 240

attcatgtgt atgggatgga ccactttgat cgatatattg gcgacatcta ctgtgacggc 300

gtctttatcc aagaacaaat gctgaaaagg ggcttggcct ggcacttcaa aaaatatgac 360

aaacgtcctg aattcgcaca atgggagaga gaagcaaaaa tggcacgtg 409

<210> 6855
<211> 303
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004e06b1

<400> 6855

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caccgacgac cagatcgccg agttcaagga ggccttcagc ctcttcgaca aggacggaga 180

cggctgcatc accaccaagg agcttggaac tgtgatgcgc tcgctggggc agaaccccac 240

tgaggcagag cttcaggata tgatcaatga agtggatgct gatggcaatg gaacgattga 300

ctt 303

<210> 6856
<211> 287
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004e07b1

<400> 6856

tcttggcttc tcctccccac tcagtcctgg gttcccggcc cggttcggtt cgttagggtt 60

tagtagtggg gaagaggagg aagaatggcg gacgtcgagt accgctgctt cgtcggcggc 120

ctcgcctggg ccaccgacga ccagtccctc cagaacgcct tctccaagta cggcgacgtc 180

atcgactcca agatcatcac tgacagggag acgggccgtt cccgcgggtt cgggttcgtc 240

accttcgcgt cggacgaggc gatgcgccag gcgatcgagg ccatgaa 287

<210> 6857
<211> 250
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004e08b1

<400> 6857

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actgcagcgg agggaaacgt ggatgaggag atcaagccaa gctggtgcac gagctcgcac 180

tgccctggcg ccgatctcgc gccggtccta cgccctgcca ccctctctcg ggacgccatg 240

gagatcaaca 250

<210> 6858
<211> 315
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004e09b1

<400> 6858

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tggccctgca gcaatggaga gagaggcttc tcctaccccc agtctccaaa ggccccctcc 180

attgtcagcg agaggtacag gactgcctac cacttccagc ctcccaggaa ctggatgaac 240

gatccatgtg gaccaatgta ctacaatggc gtctaccatg aattctacca gtataacccc 300

gatggcgcct ttgac 315

<210> 6859
<211> 301
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004e10b1

<400> 6859

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ggagggcaag gaggaggacg tgcgcctggg cgcgaaccgc tactcggagc accagcccat 120

cggcacggcg gcgcatggcg gcggcgcgga cgagaaggac tacaaggagc cgcccccggc 180

ccccttcttc gaggccgggg agctcacctc ctggttcttt taccgggacg gcatcgccga 240

gttcctggcc actttcctct ttctttacat ctcggtgctc accgtgatgg gcgtggtggg 300

c 301

<210> 6860
<211> 338
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004e12b1

<400> 6860

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cctgggagcc gatgcgccgc tcctggggat ccatctggcg gatggacacc agccgcccgt 120

tgcaggggcc cttctccatg cgcatcacca gcgactccgg gaagacattg gtggccaaca 180

atgtcatccc gacctactgg cggccggaca aagcctactg gtccaacgtc cagttctatt 240

gattttggct caatcatcag ttgcatgctt ctccgacgga ttccgatcga gagtccatgc 300

tccacattag cattaaaaga aattaaaaac aacctaac 338

<210> 6861
<211> 259
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004f01b1

<400> 6861

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tgcagcatcg agcgctggct ctccgacggc cacgccacct gccccatcac gcagcaaaag 180

ctcgcggagg ccgaccggga ggccacgccc aaccacacgc tccgtcgtct cacccaggcc 240

tggtgcgctc tgcacgccg 259

<210> 6862
<211> 350
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004f02b1

<400> 6862

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aggggatgca acacaaccag aagatcacct tccctggtga agctgatgag gcgcctgaca 120

ctgttactgg agacattgta tttgtcgtcc agcagaagga acacccgaag ttcaagagaa 180

agggcgatga tctcttctat gagcatacca tatctctcac tgaagctctt tgtgggttcc 240

aactcgtcct gacccatctg gacaacaggc agctgctcat taaatcaaac cctggtgaag 300

ttgtcaagcc tgattcattc aaggcaatca gcgacgaggg gatgccgatg 350

<210> 6863
<211> 370
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004f03b1

<400> 6863

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ctccaactcc aactccaact ccaacggggg cagcagcaag ggcggtaacg gcgggggtaa 120

catcgcgtca aagcagcata atgcatcact gtcagggaca accacaaggg gcagggagtt 180

cgaggacccc gagacaaagg cttacatgaa ggccaacgcc gccaaggctc tgtggcacct 240

cgccaagggc aatgcagcta tctgcaagag catcaccgag tcaagggctc ttctatgctt 300

cgcggttctt ctggaaaagg gggaaggcga tgtgcaatac aattctgcga tggctctcat 360

ggagatctgc 370

<210> 6864
<211> 301
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004f04b1

<400> 6864

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gcgtcggtgc gcgtgctggg caggtggccg agcccgttcg tgatccgggt gctgatagct 120

cttgggctca agagcgtgga ccacgagctc gtggaggagg ccgtgggcaa caagagcgag 180

ctgctgctcg cctccaaccc cgtgcacaag aagatccccg tgctcctgca ccacggcagg 240

cccgtctccg agtccctcat catcctccag tatgtcgacg aggcctgggc ctcccaagcc 300

c 301

<210> 6865
<211> 326
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004f05b1

<400> 6865

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ggtttctggt ggaatgagag gaactcttcc atggatggcc ccagaattgt tgacaatgag 120

cggcaccaaa gtatctgaaa aggtcgatgt ctattctttt ggtgttgtga tgtgggaaat 180

tctcactggt gaggatccat atgatggcat gcactatgga ggagttatag ggggcatttt 240

gagtgacaca ctgaggccgt cagtgcccac ttcatgtaac ccggaatgga agaaactcat 300

ggagcaatgc tggtcaactg agcctg 326

<210> 6866
<211> 294
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004f06b1

<400> 6866

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catcgtccgt ctccaactga tccgcccggc gatcgtcaga tccatctgag aaaatccgct 120

ccagttaaat ccaatccaga tggagctagc taggatggat ccacccggcg tcgagctccc 180

caagagctgc ctcctcgcta tcaagcctgt ggtcgccgat tcaaccaacg ccaccaccgc 240

cacccaccag acggagcacc cggatgactc tcgcgagatc tccattcagg tcag 294

<210> 6867
<211> 273
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004f07b1

<400> 6867

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cgtacgcgcg ccggggaaag ggaaagtgaa aagggaagag gatcagggga agatgtgctg 120

ctgttgcggc ggcgacgacc gcgaccacga gcacggctgc cgcccgctcg ggttcctgct 180

cggcctgccc ttcgcgctcc tcgccgtcct cgtctccatc gtcggcgcca tcatctggat 240

catcgggctg cccatctcgt gcatctgccc gtg 273

<210> 6868
<211> 250
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004f08b1

<400> 6868

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gtaaatattg tgggtgatgg cttcaattgg aggaaatatg gtcagaagca agtgaaaagt 120

actgataatt ctaggagcta ctatagatgc acaaattcaa gttgcttggc caaaaagaaa 180

gatgagcatt gtcctgatgg ccgtgttata caaatcatat atcgaggagc acacagtcat 240

gaaccaccac 250

<210> 6869
<211> 329
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004f09b1

<400> 6869

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gcactcgatc gacgtgggcg cgggcgtggt ggacgccgac taccggggcc ccgtcggggt 120

catcctcttc aaccactcgg acgccgactt cgccgtgagg cccggggacc gcgtcgcgca 180

gctggtcatc gagaggatcg ccacgccgga cgtcgccgag gtggacgacc tcgacgccac 240

cgtcaggggc gagggcggct tcgggtccac cggcgtctga tggccggcct tgacggaagg 300

cgaggcaggt gtgtctatct agatgctga 329

<210> 6870
<211> 378

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004f10b1

<400> 6870

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tatgcaggcc ggcgccatcc ggaagggcgg cttcctcgtc atcaagaacc gcccctgcaa 180

ggtggtggag gtttctacct cgaagactgg aaagcatggt catgctaaat gccactttgt 240

tgccttagat atattcaatg gtaaaaagct tgaggacatt gttccttcat cccacaactg 300

tgatgtgcca catgtggacc gcactgagta tcagctgatt gacatatcag aggatggatt 360

tgtgagcctt cttactga 378

<210> 6871
<211> 329
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004f11b1

<400> 6871

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tttattgtag cagtgttacc gggtcgatcc aacggccgag gtccttcagt ggcctgatct 180

gacggctgaa aacgcatcaa acaagagatc cgacggccag aaatcgctga gctatgagga 240

ggcccatgtt ctaccaacaa acatacccac atacacacac atgaatgatt acgtagaaag 300

aaatattcca gggaatgtca tgatgcaca 329

<210> 6872
<211> 331
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004f12b1

<400> 6872

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gtggaccggg ctgatctgat gcccttctcg gcggcgatgc cggccggaag aggctaagga 120

gaggcgccgg atataggtct gtacatagta gttccaataa aattagttta gtgatgtgtt 180

tcaggagtag tagtgcctcc gtggcgactg gcgtgatgtc gtcaggaagc gtgccgccgg 240

cgtcttcgag caacgctcgg tggcttcagg ttgctgccct gctgtttctg ctgttctggg 300

gagagctagc acatggcggt ggcagagctg a 331

<210> 6873
<211> 274
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004g01b1

<400> 6873

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cagggcgctt gatgacacac agcctgagga tagcatgcac ctggttacat ggttccggag 120

aatgcagctc aacaatgata cgttccagaa ggcaatcgac acaactatcg accttgatga 180

ggagacctta gccagcgtta gcacggtcgc acagctcgcg ggtcactgct gtgctaggga 240

gccacatcag aggcccgaca tgggtcatgc cgtc 274

<210> 6874
<211> 241
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004g02b1

<400> 6874

ctccacgcgt ccggcttctt gatcggggtt ggttgggtgt tgtatgagag ggagtgagcg 60

ggcagcggtg ccagcgtcaa cgtcggggat gagctgcaac ggctgccgcg tgctgcgcaa 120

gggctgcaac gacgcctgcg tgctgcgccc ctgcctgctc tggatcgagg ccgccgacgc 180

gcagggccac gccaccctct tcgccgccaa gttcttcgga cgcgccggcc tcatgtcctt 240

c 241

<210> 6875
<211> 279

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004g03b1

<400> 6875

tctttacgcg tccgcagtga tattgttcag atggcaagtt atgcgccact ctttgtaaac 60

gacaacgatc aaacgtggaa tccagatgct atcgtcttca actcctggca acaatacgga 120

actcctagtt actggatgca gaagtttttc cgcgaatcta gtggtgccat gattcatcca 180

attacaatca gttccagcta ctctggttct ctagcagcat ctgctatcac ctggcaggat 240

tccgggaaca gcttcctgaa agtaaagatt gtgaacttc 279

<210> 6876
<211> 362
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004g04b1

<400> 6876

tctcgcgtcc gcctcttcct cctccctctc tgttcgcact aaccaatccg agtacaactc 60

gccgtactcg cacgcacaca taggcagatc caatccgact gtacaaaagc gccgccgtcc 120

gccgctcacg tggaagaggg agagggagca gcggagagga gaaggatttc cacgattaca 180

tgcaacctcc tggaatagtc tagttcctaa atccttcttc cattctggca gatatcaaga 240

gatcattcag gtctcgcacc tctgagtggg tgtggatttg caacaattct gcaatcaact 300

tattgctgcc tctgggagta atcccatcat acatctggag attacggcga gcactggagg 360

ga 362

<210> 6877
<211> 372
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004g05b1

<400> 6877

tctctcgcca tttgccaaca gacctcagat ctcgctctcg cctccttgcg cagccgtcgt 60

cgagagcagc aagaaaatgg cggcgagcaa cctcgagggt gtgctcctgg ggatgggcaa 120

ccccccttctc gacatctccg ccgtcgtcga cgaggccttc ctcgctaagt atgatgtgaa 180

gccgaacaat gccattcttg ccgaggacaa gcacttgccc atgtacgatg agttgtccag 240

caaggacaat gttgaatata ttgctggagg agccacgcag aactctatca gggttgccca 300

atggatgctt caaactcctg gtgcaacaag ttacatgggt tgcattggaa aggacaagta 360

tggtgaggag at 372

<210> 6878
<211> 355
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004g06b1

<400> 6878

tctcgcgtcc gtgccattaa cgcctacgct ttcaaggatc gagcacgtat aaactacgag 60

catctctaaa atttgttatc tcgccgggat gatttcgagg tctcccagcc tcttccagat 120

cggcgagggt gaggcccagg atcaggatca ggcggggacg ccaacaatgg cgaccgccgg 180

cgagctcgtc gggctccggc tgatcataca gccctcaccg gggcgacaac aacggccggc 240

gctggccgtc ctcaggaggt cgtcggtgag gtccccggca gccgacctcc aggagaacag 300

cggctgccgg ccgttcgtgg gcctcgagtt cttgaagtgc tgcctctgct gctgc 355

<210> 6879
<211> 306
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004g07b1

<400> 6879

tgcactgttt ccctcggttc ttggaggaac atgtgctatt cctggagctt tcggttgtgg 60

aaaaactgtc attagtcagg cgctctcaaa gtattccaat tccgacactg tggtgtatgt 120

gggctgtgga gaaagaggaa atgagatggc tgaggtcctc atggacttcc cccaattgac 180

aatgacgttg cctgatggac gtgaagagtc agtcatgaaa agaacaacgc ttgtggctaa 240

cacctccaac atgcccgtcg ccgctcgtga agcctccatt tatacaggaa ttaccattgc 300

tgaata 306

<210> 6880
<211> 331
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004g08b1

<400> 6880

agatgggagt ttagcaatcc aactcctttc ataaggagcc gtgaatttct ttggcaagaa 60

ggccatacag tttttgcaac taaagaggag gcagatgaag aggtcctcca aatattggaa 120

ctctacagga gaatatatga agaattttta gcagttccag tgtccaaagg gaggaaaagt 180

gagatggaaa agtttgctgg tggactttac acaaccagtg tagaggcctt cattccaaat 240

actggccgtg gtatacaagg tgcaacttca cattgtcttg gtcaaaactt tgcaaagatg 300

tttgatatca cttttgagaa tgaaaagggt g 331

<210> 6881
<211> 346
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004g09b1

<400> 6881

ttttctggac ctggacatgc cggccctgca gtacatgatg agggagtacc ctgggaatga 60

agaggagaag atgagagctg caattggcaa gtttggcctg tcaggaaagg cacaggtgat 120

gccaatgaaa aacctgtctg atgggcagaa ggcccgtgtc atttttgctt ggctagcatt 180

taggcagcca cagatgctgt tgcttgatga gccgacaaat catcttgaca ttgagaccat 240

tgactcactt gctgaggcac tgaaggaatg ggacgggggg ttggtcctgg tgagccatga 300

cttcaggctg atcaatcagg ttgctcaaga gatctgggtc tgtgag 346

<210> 6882
<211> 379
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004g10b1

<400> 6882

tggaaatatc cctccaggac tcagtaattg ctccatgctg aaactcctcg gcgctggcta 60

caacaacctc aatgggactc ttccagacga gctcttcaaa gttacctcgt tagagcacct 120

ctctttgcct agcaatggct tagaaggagc tatcaatggc atcagcaagc tcacaaatct 180

ggtcgccctt gatcttgggg ggaatgagct cactggcagt attccagagt ctattggtga 240

gctgaagaga ttggaggagc tgcatttgga acacaataac atgtcagggg agctgccatc 300

aactctgagc aactgcacat atctcgtaac aattgacctc aagagcaacc agttcattgg 360

agaacttacc caggtcaac 379

<210> 6883
<211> 322
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004g11b1

<400> 6883

ggttctgata aattgtgctc tttcaagacc acccctggcc gtggaggtta cataaaggaa 60

gtggtcatct cagatgtaga aatggatggt atccgtgtgg ccattgaatt cataggtaat 120

ttatcaagcc atccagatga tgattttgat ccatctgagc tcccggtgat tgatcaaatc 180

accctaaaga atatggtggg aacaaacatc tcggttgcag gagttttatc aggaattgac 240

ggtgatccat ttactgcgat ctgcctttcc aatctcagtt tctcgataac tgattcagcc 300

tattctactc cctggtcttg tt 322

<210> 6884
<211> 267
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004g12b1

<400> 6884

tctcgcatcg ctgccatcgc ctccgctccg gaggtcgctt tcacctcatc ccgcgcgtcg 60

ccgccgagac cctctgcaac cggcgacgcg gtgccggccg ggcatggcca ccccctcccc 120

cggttatatc ttctcggctg ccccgccacc atttttcccc ttttgatgaa gagaaatgcc 180

accctctttt tccctgtgct ggaaccggcg ggggaattgc ttcaaccgac gggcggattt 240

gcttcaaccg gcaaggatgg tggtggg 267

<210> 6885
<211> 215
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004h01b1

<400> 6885

gatctacacg agacgaacat gtcgtcttag gctcggacgt tgttggtcgc cggcttggcc 60

tgcaagagga tgccccccctg ctctgacttg ctcacatctc agtgtttcac caatgaagat 120

gtattttcaa ggtgaaggcc ttgcgttggg actctgtgcc tcctaaacta agaacaaatg 180

aacttgcctt taggcttttc gcactgcact atgca 215

<210> 6886
<211> 184
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004h02b1

<400> 6886

atgtttgtgc aggagctccg tgttgtgctg ccaaaggagg tcgaggctgc ccgcagtgct 60

gtggagaatg gcaccgctgc gcatcagaac cgtatcaccg agtgccggtc atacccgctt 120

taccggttcg tacgcaagga gcttgggact gagtacttga ctggggagaa gacacgatct 180

cctg 184

<210> 6887
<211> 311
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004h03b1

<400> 6887

ttttcccccct cccacgccgt ctcgtcccag ctcgccctcc agaggtttta gtcttcctcc 60

atggcggccc tcatcaagct cggaagcctt cttaggcaga gtgctttggc gagcagtgcc 120

tcgaccggct cggctcctgc cctgttcaac gctgcccgct tcatgtgcgc cggccagccc 180

gctggtggca ataagctttt cgtcggcggt ctggcctggg ctactgacga tcattcgctg 240

aaggaggcgt tccaaagctt tggagaggtc gttgaggcac gtgtcatcac tgatcgagag 300

actggaaggt c 311

<210> 6888
<211> 312
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004h04b1

<400> 6888

tattcccccc tcccacgccg tctcgtccca gctcgccctc cagaggtttt agtcttcctc 60

catggcggcc ctcatcaagc tcggaagcct tcttaggcag agtgctttgg cgagcagtgc 120

ctcgaccggc tcggctcctg ccctgttcaa cgctgcccgc ttcatgtgcg ccggccagcc 180

cgctggtggc aataagcttt tcgtcggcgg tctggcctgg gctactgacg atcattcgct 240

gaaggaggcg ttccaaagct ctggagaggt cgctgaggca cgtgtcatca ctgatcgaga 300

gactggaagg tc 312

<210> 6889
<211> 324
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004h05b1

<400> 6889

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gcgcggcgac cagtgggcgc tgcgcgtggc gcaccacgcc cccggcatca tacactggtg 120

gatggagcag agctggctgc ccctgcccac ctccaccgtc gacgtgaaca ccacctacct 180

gccaaacaag cgcgacgccg agatccgacg aaccctcacc gtcgacggaa ccctccggaa 240

gaagagggag atggcgacgc accaggggat ccaggagtcg tactacaggg acatggccgt 300

catgttcggc aagtgggagt tcga 324

<210> 6890
<211> 326

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004h06b1

<400> 6890

ttcacgcgtc cgcccacgcg tccgcccacg cgtgcgcacg gatcggatcg gatcagatca 60

gatcagatca ccatgagctc caacgttcaa ggtgagggtg aagtccccgt ctacgaatcg 120

ggtgcagatg ccctgcagaa gctgcaagag aaatggaagt ccacggcggc gccgtacccg 180

gccatgtact cgagcttctt gggcgggatc atcctggacc cggccatgat ggccctcccc 240

atcgacgacc acatggtcca ccgcggccac ggcgtcttcg acacggccat gctcctcgac 300

ggtcaccttt acgagctcga cacgca 326

<210> 6891
<211> 187
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004h07b1

<400> 6891

tcgtcgtgcg ccgttcgttc cgcgagccga gccgagtcga gcgagcgggc gggtggcggg 60

tggtgggttt tggcgaccgg attgcatgaa aaccagcgcc gccgccgccg ccgtcgagga 120

gctcgagctg ctcgcccggg gggccttcgt gggcgccggc atggaccgcc acgacctggg 180

cgcgtcc 187

<210> 6892
<211> 336
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004h08b1

<400> 6892

tcttcaactg tttcatacta tggttttgtg agtgatgtcc tggaactttc cgagaaatac 60

cagaagagat ttggccctct tcgatatttt gtggctggag tactcaaatt tttgtgtcta 120

ccaagttact tctatgagtt agaatatctt cctttgtcca aggacatgtc cgggcatgga 180

aaaggtacag gacaagacaa agttgaattg tctgatgtct atacagatgt aatgcgcagt 240

cgatcaaaaa gagaaggatt tccacgagct gtcagctttt caagtattga ctctatcatg 300

actccaagta ggatgtctct aggggacttt gacaca 336

<210> 6893
<211> 245
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004h10b1

<400> 6893

tctcggacgc gtgggcctcc cgcacgcttg tggtccgttc tccgccccgc ctcgagcagc 60

tcagggacgc gcacagccat ggcgacggag accgagacct tcgccttcca ggccgagatc 120

aaccaggtcc tctcgctcat gatcaacacc ttctactcca acaaggagat cttcctccgc 180

gagctcatct gcaactcctc cgatgccttg gacaagatca ggttcgagag cctcacggac 240

aagag 245

<210> 6894
<211> 391
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004h11b1

<400> 6894

tctttgcagt gctggtgttg aggagtcggt ggagatatct tcagaaaaag ttaccagcag 60

atccaagact caggaagact taatcaagtc aatttataat ttctcagtag tgcttctatc 120

tacttgcgat ggcggttatg agttggagga atctgaacat gcacttgttc aatctacaat 180

acacaatctc agttctttga gttccaagat aagcaaggct gcattaaaaa atgatgatgt 240

aaatggaaac tgctgccaaa caaaatcaga tacaaggtgc catggaaaga atcatcagcc 300

tcagaagttt gatggacttg actgggagaa cattggtgca gattttaaaa catttatttt 360

ggaggatctt actaaacttc cagaagagaa t 391

<210> 6895
<211> 397
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189004h12b1

<400> 6895

tccacgcgtc cgggcatctc cagcattggg tggtcagtat gaagccccca tgttaggagg 60

atcaatggca aaagctccaa gtacaccttg gatgcctttt tccatgttat ttgctgctat 120

ttcaacgaaa cttcctcgtg agaaaatgga catgatcaat aactgttatg aagaattcaa 180

ggccaagaaa ataagcagaa ttgacctagt gaagaggctg cgtctcatag ttggtgacag 240

aatgctggta tccacaataa ttcggctcca agataagttg cctccgatgg cgaagcggga 300

agcagcaaat gctccagcca aggcacgagg tcagtgacca tggtggattg gaggaaggaa 360

ctggtcgact tgttatcatg agttggaaag gaatgta 397

<210> 6896
<211> 411
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007a01b1

<400> 6896

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agcaatcccc gcaacaacaa ttccaccaac aacaattacc tgatcaacaa ttgtcccaac 120

aacaatttcc ccatcaacaa ttcccccaac atcaacagtg tccccaacaa caacaattaa 180

cgcatcaaca attccccccgg ccacaacaat accctgaaca acaacaattc ccccaacaac 240

aattccccca gcaaccacca caacaattcc cccaacaaca atttccaata ccatacccac 300

cccagcaatc acaagaacct ttcccataac aacaatatcc acaacaacaa ccatctggga 360

gcaacgttat aagtatcagt ggcctatgaa atgaagagat gtaatactag a 411

<210> 6897
<211> 260
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007a02b1

<400> 6897

tttgaaagaa aagaacatgt tgatcttcat atatcatggc aattaaaagc atgcctcata 60

catcaagaat tcaactacca atactatgca aacctagact cttgctcagg tttacattta 120

cctcacaact cccaggagaa aatgaaaaaa aaggaacgaa aattaaaact agatcgatcc 180

cttttatggc agcgtttctt ccatccaaag aaaaaaactt ggagaaagaa acataaaata 240

aaatgaaata aaaatgaacc 260

<210> 6898
<211> 112
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007a04b1

<400> 6898

cgcgtccgcc cacgcgtgcg actagttctg tatgcccctg tcgcgtgtgt tcgaccagta 60

ctgtccttcc tcgtgcctcc acttctaatg aatatatggc gcctcaactt tg 112

<210> 6899
<211> 299
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007a05b1

<400> 6899

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ccgtcagccg tcgctccaac ggcgctagcc tcggcagcgt cagcaacggt ggaaggatca 180

ggtgcatgca ggtgtggccc atcgagggca tcaagaagtt cgagaccctg tcctacctgc 240

caccgctcag cacggaggcc ctcctcaagc aggtcgacta cctgatccgc tccaaatgg 299

<210> 6900
<211> 326
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007a07b1

<400> 6900

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tgctgatcct cgcggcgctg gtggccgcgg cgtgcctcac ggagctgggc tcggcggcgc 120

gcggcgtgcc ggcggagaag cccgcggagg acgatgtgaa gcggccggac acgttccagg 180

aggggacggt gctgatcccg gggatcgggc ggtacgagct gggcacccac tacatccccg 240

acatcggcgg gctggaccac agcatcccgg ccgccgccag tggacagttc atccccggcg 300

ccgacgacac ctgggtgccc aacccc 326

<210> 6901
<211> 381
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007a08b1

<400> 6901

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agcatcacta gcttacgctc tgatccccaa tcaatccatc gatcaaccca tccggccagc 120

gatgaacaat atatagcctc aatctgtatg acatcatata tatgtatcaa cgcatacgca 180

ccgcatgcat atataatgca ttcacgcgca atcaagcata ctgcatagac attccacccc 240

ggcccggccc ctctcaggta tgaatgaata atatcagttg tactactacg tttcactcga 300

cccgttccac tagacgcacg cgagcttgta tgctcaagtg atgactagtg aatatacaca 360

gcttgctatt atgtgcttta c 381

<210> 6902
<211> 335
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007a12b1

<400> 6902

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gcgacttcct cagctccggt cccgtgcttg ccatggtatg ggaaggagag ggcgctatca 120

agcccgggag gaagctgatc ggtgccactg acccatcaaa atctgagcca ggaaccatca 180

tgggtgacct tgctgttgtc gctggaagga acatcatcca cggcagcgat ggccctgaga 240

cagccaagga ctagatcgcg ctctggtctc cagcccaagg agctggtctc ttacaccagc 300

aacgaggaga agtggatcta cggtgtgaac taacc 335

<210> 6903
<211> 394
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007b01b1

<400> 6903

tgttggcccg gggctgctgc accggcatcc agaacctgct ggccgaggcc aacaacagcc 60

ccgaccgccg caccatctgc ggctgcctca agaacgtcgc caacggcgcc tccggcgggc 120

cctacatcac ccgcgccgcc gcgctccccc ccaagtgcaa cgtcgccctc ccctacaaga 180

tcagccccag cgtcgactgc aactcgatcc actgaacgaa cctgtcgacg tacgtctgcc 240

gtgtgaggag tcccatgtcc ggagaataaa ttgctgctac tactagtact gaagcttagc 300

taggccttgg cggccagatc cgtgtcgttc tacctagtcg tgtggtgtgt ggttttaggg 360

tcgatggatc tgtgtgtgca cgcagtccat ggtg 394

<210> 6904
<211> 504
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189007b02b1

<400> 6904

cctcacgcgt tcgcccacgc gtccgcccac gcgtccgcgg acgcgtgggg tcattcaggg 60

ccccaagccc ggcaagccca ccgacctctc ccgtatgcgc caggtcctag tgaagctgaa 120

gcatgctcct ccaccgcaca tgatgcaacc tccaccagcc cctgctgcca aggaaggcgc 180

caaggaaggt gcgaaagacg gcgcaccagc accaacaaat ggagccaagc agcccgtgga 240

gagcaaagaa gcacccgcca acggccccgc cgcagagacg gagaaggagc agactgcagc 300

atcagagtag cttcttttat ttttacagaa acaccagaac cttgactatg cttagaagga 360

aacttttatt ttcaaaaata cccggagtgt cgcctaccct gtagcggtct tttttgtaga 420

gatccgcatc aggatggcta tgtatcgatc agttctgaac attcagctta gtatcacagc 480

anacaactgc actctttact ggtt 504

<210> 6905
<211> 185
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007b04b1

<400> 6905

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gcaacaatgg cgatggcgtc gtcgagcggg ctgaggagct gcagcgccgt gggcgtgccg 120

agcctgctgg cgccttcgtc caggtccggc cgctccgggc tgtcgttctg cgcctacgcc 180

accac 185

<210> 6906
<211> 279
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007b06b1

<400> 6906

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ttcgtaggag ccctcctaca gaaataaaag ctttggcgtc cctgctagtg ttggtctgac 120

atcaagtcct gtcaagtttt aatcccactt tgtttagcaa tggggaatac ttttgtgttg 180

gccttgtggt gtttagcgat ttgaattacc tcttgcatgc cctgtatatt gaactcctct 240

gtggtccata tgtcagccag tgtgaaatga aacatcatg 279

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<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007b08b1

<400> 6907

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ggctggaaat ccaaatatga ggctgctgga atatggtatg aacatcgtct cattgatgac 180

atggttgcct atgcacttaa gagcgaagga ggctatgttt gggcttgcaa gaactatgac 240

ggagatgtgc agagtgattt cttagctcaa ggttttggtt ctttgggctt gatgacgtca 300

gtattgatgt gccctgatgg taaaaccatc gaagctgaag ctgcccatgg cacagttacc 360

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<223> Clone ID: uC-tsrow189007b09b1

<400> 6908

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gcggagatgg tgagcgcctt cttcctcttc tgcgggtgcg tggagcaggc caacgtggcg 180

gtggtcgaga agtggggccg cttcctccgc ctcgccgagc cgggcctcca cttcttcaac 240

cccttcgccg gcgagctcgt cgccgggacc ctctccaccc gcgtccagtc gctcgacgtc 300

aaggtcgaga ccaagaccaa ggataatgtg tttgttcagc tgatctgtac aattcaatac 360

cgggttgtta aggagaatgc agacgatgca ttctacgagt tgcagaatcc ccaacagcaa 420

attcagtcct acgtctttga tgtggttcga gccatagttc caagaatgga gctggacagt 480

ctctttgagc aaaagaatga 500

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<223> Clone ID: uC-tsrow189007b10b1

<400> 6909

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gcggagatgg tgagcgcctt cttcctcttc tgcgggtgcg tggagcaggc caacgtggcg 180

gtggtcgaga agtggggccg cttcctccgc ctcgccgagc cgggcctcca cttcttcaac 240

cccttcgccg gcgagctcgt cgccgggacc ctctccaccc gcgtccagtc gctcgacgtc 300

aaggtcgaga ccaagaccaa ggataatgtg tttgttcagc tgatctgtac aattcaatac 360

cgggttgtta aggagaatgc agacgatgca ttctacgagt tgcagaatcc ccaacagcaa 420

a 421

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<211> 419
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<223> Clone ID: uC-tsrow189007b11b1

<400> 6910

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cggctgcaag tgcggcaacg gctgcggcgg gtgcaagatg ttccccgacg tggaggccac 180

cgccggcgcc gtcgccatgg tcatgcccac cgcctcccac aaggggagct ccggcgggtt 240

cgagacggcc ggggagaccg gcggctgcga ctgcaccacc tgcaagtgcg gcaccgcgtg 300

cggctgctcc tgctgcagct gcaactgagc cggcgcccat gaggccggcc ggcagaggcg 360

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<210> 6911
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<212> DNA
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<223> Clone ID: uC-tsrow189007b12b1

<400> 6911

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ggctccgagg ggtgcggcac tggtgctggc gatggtgctc gcggccatgg tggtggcgcc 180

gccggcgact gtgcacgcca tatcctgctc cacggtgtac aggacgctga tgccgtgcct 240

gcagtacgtg cagcaaggcg ggtcgtcggc ccggggctgc tgtaccggca tccagaacct 300

<210> 6912
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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007c01b1

<400> 6912

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atctcttgct gcataggagg aggtaaaggg gcacagcaag gtactttgcc tgtaccggca 180

ggatgcaccg accagactgc caagaacttc gacccaacgg cgaggagtga cgacggcagc 240

tgcctttaca ccttttaagc atgccaattt aatatctgat gttttatcct ttgtacctaa 300

gtaccgcatc gcatccaagc gattgctggg catgttttgt taatatataa agatattgag 360

tatacctatt tggt 374

<210> 6913
<211> 476
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007c02b1

<400> 6913

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cccgggtact acgacggccg ctactggaca atgtggaagc tgcctatgtt cgggtgcacc 180

gacgccacac aggtgatcaa cgaggtggag gaggtcaaga aggagtaccc tgacgcgtac 240

gtccgcatca tcggattcga caacatgcgc caggtgcagt gcgtcagctt cattgccttc 300

aagccaccgg gctgcgagga gtccggcaag gcctaaacag ctcactcacc acgggccaca 360

tataaagtgc cattgcagtt ttgtcaactc tgacattgct ttgggttttc cttctccatt 420

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<210> 6914

<211> 361
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007c03b1

<400> 6914

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tccatacttc acaagctgcg gctagttcag gactccattt gcaagctgct cggataattt 180

cattaccttc gcgagcaaga tcgcgccctt cgttacgagc ttgtacacag gcttctaaag 240

ccactcgatt agctgctgca ccaggtgcat ttccccaagg atgtcctaaa gttcctccac 300

caaattgtaa tacagaatcg tccccaaaga tttcggtcag agctggcata tgccaaacat 360

g 361

<210> 6915
<211> 396
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007c04b1

<400> 6915

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aagctgccta tgttcgggtg cactgacgcc acacaggtga tcaacgaggt ggaggaggtc 180

aagaaggagt accctgacgc gtatgtccgc atcatcggat tcgacaacat gcgtcaggtg 240

cagtgcgtca gcttcatcgc cttcaagcca ccgggctgcg aggagtccgg caaggcctaa 300

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tgctttgggt tttccttctc catttatctt tcttat 396

<210> 6916
<211> 453
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007c06b1

<400> 6916

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tttcaccggc gagtcatgga ataacagcag tgtgcaccag agcggcggcg ctggctcggc 120

gcaggtctcg atcgctgccg ccgccgcggc tcaccactcg gcattcccat cgttactctc 180

cttggctcca aggtcgcatc agctggttta ctactcgtcc gaggccgatc agttcccagt 240

tgatgacctg ggctcccaaa gcttatcctt gagctcggcg agagctttcc atgaccagac 300

aggaagctag ctgccaccta gctagctagt acaacgctgg atcgatcgat atcctgaaga 360

agatggagct gatcgatcgg tggtatggat tgcaactttt atcctcaagg taggacttaa 420

taatgctctc ccaaagcgca aaatagctag cta 453

<210> 6917
<211> 211
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007c08b1

<400> 6917

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cctgccaagc aaaatgacaa caggcagctg t 211

<210> 6918
<211> 412
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007c11b1

<400> 6918

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ctacctcgac gggagccatc gatcgtctca ctacaacttg aagctgcaac ttgggcggtg 180

ccatggctcc ttgtgcagag aaatcaagag ggggcgaggt cagggaggag ctgcgggagg 240

agtgaaggaa aagaaggcga cggagaaggc tctgctcgcc ggagagctcg atcggcagcg 300

acgaactccg agccgcatgt tctggcgacg gagggctgga accggtccat ggggagacct 360

gtaggcgcgc ggcggcggcg gtttgggacg gcggagaagc tgcaactcgg ac 412

<210> 6919
<211> 92
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007c12b1

<400> 6919

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aaccgccgat tttcacaaaa gaagacttat tt 92

<210> 6920
<211> 361
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007d01b1

<400> 6920

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gcaaaattgc catgaacttt ttctttttcg ccattgcata aaaaaaatct ttttttacca 180

tggcaatgtt tttgcttata aagatgattg catatttagt agaatgtttt catttttta 240

tctagcacga caaatttatt tttagatctt ttcaatttct tttcagagta tggcaaaata 300

tggccttttt attcacaacc aaaagcggcc tttcttagtc acagtaggtc ttaggaaaac 360

t 361

<210> 6921
<211> 310
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007d03b1

<400> 6921

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aggacatcca gctcgcccgc cgcatccgcg gggagcgcgc atagattgcc caaggaaaag 180

caatgtagag ctgtccgttc gtcgcctctg gtttcagatc gtgttagcaa taggcaagag 240

gcgactttta ttttgttgta gaaaaaactc tggttggcta cattgttaca atgactcgtt 300

tcttatttcg 310

<210> 6922
<211> 367
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007d05b1

<400> 6922

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tttgaagcca tcggtgtcaa tggcgagcgt attcctccgt ggtgcacaaa gagtgcaact 180

ataccaatct gcaacccaga taaatataga tgctattgtt gtgttcaaaa ttggcaatgc 240

tacaaaacaa tggatgagtg cagagccaag tgtgcatatt tacctccctc ctcttcctct 300

gtacttccat gaaaccgggt tcttctcatg agctagaaga aaaatgaata gatccagaca 360

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<210> 6923
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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007d07b1

<400> 6923

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cggtcctgtt ccgggggaag aagctgatgc cgcaaaccaa cgacaagcgg ctggaccgcg 120

tggtggagca actattgttc ggtgctgcta ttttccattc ggttgtgggg tggttctact 180

tttcaccaat ctggccaagg accaaaagta ggtttgacct caatttcgat gcaaacatgg 240

attgggatgt gatgcatgta cttgcttatt aagggatttg gatcttgccc tcaattagag 300

ttcccaatct caacgaagtg gggtttatga attttattat tccttagctt gaatggactg 360

tagcttcgct taattgactg acagttgtat ttgactgcat aactggatta attgatttca 420

<210> 6924
<211> 57
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007d08b1

<400> 6924

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<210> 6925
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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007d11b1

<400> 6925

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gacaagctca tggacaggta ctggtcgcac gtcgcgcagt gcaggagctg cagcgccgcc 120

ctcaaggcca tgagggcgct cgaggtggca ctgcaggtgg cgtccatcgc cgtcgtcggg 180

ctcctcgcgg tggccaaggg gacgctgctc acctcggtcg cccagcgggc cgtcgtcgtg 240

tccgtcgccg tcctgtgctt cgcggcgtcc cgctggctcg ccgacttcat ccagaagaac 300

ttttattttg aggattatgt ccatgcttac aagtgacttg gcaaatcatc cagtagggaa 360

aaatatgtct agagatatag tagaaaatgc 390

<210> 6926
<211> 378
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007e01b1

<400> 6926

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cgttcaagcc atttttctct atgccgagtg cgctgaaatg atgagcacac aattatgttc 180

atctagctag ttaagtaaag ttagggacac accacagttt gcagccctgg ataaaaaaaa 240

ctggtcgtgt gttgtgtcac atatattttt catatttttt ttgttgtgtg atcagatgtg 300

gcaagtatct tctttttttt gtcaaaactc ctacgcacaa ggtgctttgg tttatgactc 360

gttcctggta agaagacc 378

<210> 6927
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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007e02b1

<400> 6927

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ccgcccacgg gatgatgccg gccagaagcg gttcgaccaa gttcaccggg gcaaagcagc 240

ggtgcaggac tgtcgagcgc cgggtgggcc tgcagaagcg cgacagggcg tggtcgacga 300

gtggtgccgg gacatcggcg tcagcaaggg cgtcttcaag gtctggatgc acaacaacaa 360

gcacaacta 369

<210> 6928
<211> 273
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007e04b1

<400> 6928

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ctcgtcgacc tctttccgtc gtccaggttg gtcaggtggc tgaccaacga cgagcgccgc 120

atgaaaagaa gctacggccg cacccagcgt atcatcacca aagccatcga gggacgcaag 180

gccaccagag ctgccggcgt cggcgcttca gacacgtacg acgaggacct cctagacgtg 240

ctgctcaggc tgcagctgga ggactcgtta gag 273

<210> 6929
<211> 289
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007e05b1

<400> 6929

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cggcgtggat cgccgggacg accttccttg tgctggtcgc gccgctcatc atcgagatgg 240

accgggagca gcagatggtc gacctcgacc tccagcagca ggctcttct 289

<210> 6930
<211> 393
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007e06b1

<400> 6930

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aggccaaggt cgccgagaag gactacgacg agaatgacct ggcatacctc cagaagaaga 180

aggatgagca aaaggccctg aaggagctga aggccaaggc aggccagaag ggtgcgctgg 240

gaggatctgg tctcaagaag agtgggaaga aatgagtctg cccaccctta cgtaatgccc 300

agaaaatgat aatctatcta tctacctatc tgtgtcgcgc ttcactatct gtggttgtaa 360

aagactacct tcagttgtgt tgagcattaa gca 393

<210> 6931
<211> 459
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007e08b1

<400> 6931

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tgggcgagcg ggaaggaccg gggcgtctcc cacgacgcag acgagaccgg cggcggctta 180

tggtggcgcg gtcgatgagg acctgctgga tctcgccgga tctggtggga tggcgcgcag 240

atctctctcc gatcctttcc cagatcttct cctgctacct agggttcccc accgcaggcg 300

cacctcggca gccatcgagg cgaccactgc cgcctgcagg cggaacgagg cggaggagaa 360

cctcctggta cgacgtgagg aggagacgta cggatgaact taaagatcag gagagacata 420

ctggccggga caatctttaa accatgaagc tacacaatc 459

<210> 6932
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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007e09b1

<400> 6932

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gctggacatc aagtacttac tggtatagta gcaacataat tggtgtggga tatggcaata 180

cgctttgcgc gattgatatg atggtatgat aagatttgtt ggattgagat tcctggaatg 240

gataaaccag agaaagttgt gtggctaccg tagtattggc actggggcac gcgtagtcat 300

ttcgggtgta tttagttggg cactgctagg cgccggccgt tcggcccgag ccttgcgccg 360

gtcgcctcct agctgtacca tgcacccagc cgtaagtagt aaccgttgta tgtgtctttc 420

atctcgc 427

<210> 6933
<211> 298
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007e10b1

<400> 6933

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aagtacttac tggtatagta gcaacataat tggtgtggga tatggcaata cgctttgcgc 180

gattgatatg atggtatgat aagacttgtt ggatcgagat tcctggaatg gataaaccag 240

agaaagttgt gtggctaccg tagtattggc actggggcac gcgtagtcat ttcgggtg 298

<210> 6934
<211> 301
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007e11b1

<400> 6934

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tttctccgtc ccggtcatca atcttcgtcg agcagagaga gagagacgga ggtggtcaga 180

tttgcgcgag atccatgggg aagtacgtgg agctgctgga catgggggtg cgcatcgtcg 240

cgcggttcca ctcccactgc ccgcagacag cccggatgta ctaccaccct cccgcctcct 300

c 301

<210> 6935
<211> 288
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007e12b1

<400> 6935

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gccccaggaa gaagtcggtg acgcggtccg tgaaggcggg gctccagttc cccgtcggcc 180

gcatcgggcg gtacctcaag aagggccgct acgcccagcg cgtcgggacc ggcgcccccg 240

tctacctcgc cgccgtcctc gagtacctcg ccgccgagct gctggagc 288

<210> 6936

<211> 81
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007f01b1

<400> 6936

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ccaccgctca gcacggaggc c 81

<210> 6937
<211> 447
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007f02b1

<400> 6937

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ccccgacaca ccggcggggt acccgtgcaa gccgggcgtc ggcgcgggcg acttctacta 180

ccacggcctc gccgccgccg gtaacaccaa caacctcatc aaggcggccg tcacaccggc 240

cttcgtgggc cagttccccg gcgtcaacgg gctcggcatc tccgcagcca ggctcgacat 300

cgccgtgggc ggcgtcgtgc cgctgcacac ccacccggcc gcctccgagc tgctcttcgt 360

caccgagggc accatcctcg ccggcttcat cagctcctct tccaacaccg tctacaccaa 420

gacgctctac atgggcgaca tcatggt 447

<210> 6938
<211> 432
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007f03b1

<400> 6938

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gccgccgacg ctgccgttga cacaccggcg gcgaagccgg ccaaggcgcc caaggcggcc 180

aaggccaaga agtccactgg cccgaagaag ccccgcgtca ccccggccca cccgtcctac 240

gccgagatgg tgtcggaggc gatcgccgcc ctgaaggaga ggagcgggtc gagcaccatc 300

gcgatcggca agttcatcga ggacaagcac aaggcgcacc tcccggccaa cttccgcaag 360

atcctgctga cccagatcaa gaagctcgtc gccgccggca agctgaccaa ggtcaagggc 420

tcctacaagc tc 432

<210> 6939
<211> 352
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007f04b1

<400> 6939

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gcgccgcgtg cggccggcca ggtgcgcggg gttcgtgggc ccggcggtgg agtcggcgtc 120

cccgggcgcg agggcggcga cgctcgcgag cagccgcggc gggaccgact cgtcactggc 180

catctgccgg gtgctcaacg gcatgtggca gaccagcggc gggtggggcc gcatcgaccg 240

cgccgacgcc gtcgacgcca tgctcgccta cgccgacgcc ggcctctcca ccttcgacat 300

ggccgaccac tatggaccgg cggaggattt atacggcatg ttcatcaaca aa 352

<210> 6940
<211> 269
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007f05b1

<400> 6940

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gctcaaggac gtagtttgga agtgcggcgg cgaggtagaa gataacagca ccgtggcatg 120

aagcacaatt ttccatgtac atagtcccta gttcatatgt gggatggatg gtgggtgttg 180

gctgcggatt gggttgtgca gaccgagttc tttcgttcgt ttgttgatga tgatgacgat 240

gaataggctc cgatgaaaca gcgggcgca 269

<210> 6941

<211> 239
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007f06b1

<400> 6941

tgttggttag agattaatca tgtgttccgt aagtgttagt ttgtagtttc tactactatt 60

ttctcgcggt tgatgagaga gactgggaag tgaatttgta taccggaaga tttttgtcag 120

ccgtgcaact cgttgcgcct cttgatagaa aaagtagaaa ttttgtcaaa gtcattctta 180

tatgcttagc agcagagatg atgtacgata ccattaaaaa cccatctgaa tgtttgttg 239

<210> 6942
<211> 425
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007f07b1

<400> 6942

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gtcctttctc tatatgctag tgggcgtacc actggtattg tcttggattc cggagatggt 180

gtcagtcaca cagtcccaat ctatgaaggt tatgcccttc cacacgctat cctacgtctt 240

gatcttgctg gtagggatct cactgattcc ctcatgaaga tcctcactga gaggggttac 300

tctttcacaa ccactgccga gcgggaaatt gtccgtgaca tcaaggagaa gcttgcatat 360

gttgccctcg actacgaaca ggagcttgag accgcgaaga gtagctcatc agttgagaag 420

agcta 425

<210> 6943
<211> 484
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007f08b1

<400> 6943

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atcaaggact tcctgctgac ggcgcgccgg aaggacgcgc ggtcggtgcg gatcaagagg 120

accaaggacg ccgtcaagtt caaggtgcgc tgctccaggt acctctacac gctctgcgtc 180

ttcgacgccg acaaggccaa caagctcaag cagtccctcc caccaggttt gagcgtccag 240

gaggtttaag catcaagcca gacaatgcct tttctagtag cgggaatgtt ctatccatct 300

tgctttagta actgttagca ggctctcctt gtttaccccc attaagagag ttttgatgtc 360

ccaagaatgg aatgtaatgt tgggagctat gtggttgaac ctgtgaggat ttttgtgtta 420

ttttcacttt tgctggagag gagatcaatt atcttatcct aaattggttt agtatctcac 480

tatt 484

<210> 6944
<211> 410
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007f09b1

<400> 6944

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cccaatcgat cgatcccagc tctagagggg agggagcaac catggcgggg gacggggagg 120

acgaggtgcc ggcgatgggc ggagacaagc tgatcctgcg ggggctgcag ttccacggct 180

tccacggcgt gaagcaggag gagaagaagc tgggccagaa gttcgtggtc gacgtggacg 240

cctggatgga cctcgccgcc gccggggact ccgacgacat cgcccacacc gtcagctaca 300

ccgacatcta caggatagcc aagggcgtgg tggaaggccc gtcgcggaac ctcctggagt 360

cggtggcgca gtcgatcgcc ggcaccacgc tgctcgagtt tccccagatc 410

<210> 6945
<211> 369
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007f10b1

<400> 6945

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cccaatcgat cgatcccagc tctagagggg agggagcaac catggcgggg gacggggagg 120

acgaggtgcc ggcgatgggc ggagacaagc tgatcctgcg ggggctgcag ttccacggct 180

tccacggcgt gaagcaggag gagaagaagc tgggccagaa gttcgtggtc gacgtggacg 240

cctggatgga cctcgccgcc gccggggact ccgacgacat cgcccacacc gtcagctaca 300

ccgacatcta caggatagcc aagggcgtgg tggaaggccc gtcgcggaac ctcctggagt 360

cggtggcgc 369

<210> 6946
<211> 422
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007f11b1

<400> 6946

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caggtgaagc tcgcagtggt ggtcaaggtg atgggccgca ccgggtccag gggtcaggtg 180

acccaggtga gagtcaagtt cctggatgac cagaaccgtc tcatcatgag gaacgtcaag 240

gggcctgtcc gggagggcga catcctcacc ctgcttgagt ctgagcggga ggccaggagg 300

ctgcgctaag cactttcttt tcacctgact gtcttcggaa ttgctcatga aatgatgtgc 360

tgttgccttc ttactctacc gctttcatct tttgtcttgg ctatggagat gtaatgagtt 420

tc 422

<210> 6947
<211> 240
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007f12b1

<400> 6947

tggtgatgat gacatgggct tcagtctgtt ggactaagtt gtggggcacc ttgtgtctga 60

agtatctatc cttggccagg aaactagagt caatgatgtt ttagccttta tttagctgag 120

ttgtgaaaca ctggcaagac aatgttttga tatgtaattc agcccctggt tgctggttga 180

tttactggtg aaccatacct ttgctatcca attttggtcc tttaacaatg cgttgttttg 240

<210> 6948
<211> 67
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007g03b1

<400> 6948

tcgggaaagg gcgggggtcc tcactcgatc ggatgcttgt gcgggggtcc caatgaagct 60

cgggtgg 67

<210> 6949
<211> 446
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189007g05b1

<400> 6949

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cctccgaatc tcggacgcct cagcgccggc cgcagggcac gcgagtcgag ttgcttccgt 120

tccggcggcg ggggaagaga tggcggcgaa cctagaggac gtgccgtcgg tggatctcat 180

caccgaggtg ctccgccgcg ccaagtgcag ctccaagccc gacaagcgca tcatcctcgt 240

cggtccacct ggctctggaa agggtacgca gtcgcccctt attaaggatg aatactgctt 300

gtgccattta gccactggtg atatgctgag agctgctgtt gctgctaaga ctcctctggg 360

gatcaaggct aaggaagcta tgaacaaggg agagcttgtt tcagatgact nggttgttgg 420

gattatcgat gaagccatga agaaac 446

<210> 6950
<211> 376
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007g06b1

<400> 6950

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gcgcgtgcgc gcacagcagc acatccatgg ccgtcgccgc cggaggagga gtggcgctga 180

gtctgcgcgg cccgtcgtcg gcctcggcgt cgccggcggt ggggcggctg cgtagggtgt 240

cgtcctcgcc ggctgtgagg tgcggggcga cgcgggaaag gtggccggcg gcgggggccc 300

cgtacggggt gctggaggag gaccactacc ggactctgag gctgcagccg ggcgcctcca 360

ggggcgaggt caagaa 376

<210> 6951
<211> 414
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007g08b1

<400> 6951

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gctggtgtgt caaacttgat acttctcaag ttcagtgagg cggatgcaca tgaatccacg 120

acgcttgatc agataaaaga tgaagaacct gaattccatg ccatggtttc acgtgtcctg 180

aaacgagccg aaacggagtt tgctttatga gctggtcagc aatggtattg gatttctaca 240

actgctatac cgtcataacc cgtgcaacgc tcatggacca ggcaggtagg ttactgtttt 300

gcgtcgtctg attttgtgta ctagtgacaa ggagcaagta gatgatgcac aatttcctga 360

agtttgtttt ggccatagaa gtcggacttg ctggtactgt ttcgatttct ctgg 414

<210> 6952
<211> 437
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007g09b1

<400> 6952

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ctggtgttgc atcagagtac aaactagcaa agagggtgga agctgttgtt ggcgtccgcc 120

atttatcgaa gctggacatg aagctcaacg acgcgcttcc gaaaatcaag gtcgaccccg 180

agacctacac ggttactgct gatggagagg tcctgacttg ccagccagca gccacggtgc 240

cattatctcg gaactacttt cttttctagg ccacccattg cttgagaaat tcttggaagg 300

tcaataattc actcaactag cttcgacggt aacttcaagt tgcgcatggg agatgtgctg 360

ctggctcaaa ataaacaatt atacatttac atgaaaaaaa atcacacgta tacatattgc 420

aatacttcag tttcttg 437

<210> 6953
<211> 437
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007g10b1

<400> 6953

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ctggtgttgc atcagagtac aaactagcaa agagggtgga agctgttgtt ggcgtccgcc 120

atttatcgaa gctggacatg aagctcaacg acgcgcttgc gaaaatcaag gtcgaccccg 180

agacctacac ggttactgct gatggagagg tcctgacttg ccagccagca gccacggtgc 240

cattatctcg gaactacttt cttttctagg ccacccattg cttgagaaat tcttggaagg 300

tcaataattc actcaactag cttcgacggt aacttcaagt tgcgcatggg agatgtgctg 360

ctggctcaaa ataaacaatt atacatttac atgaaaaaaa atcacacgta tacatattgc 420

aatacttcag ttttttg 437

<210> 6954
<211> 432
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007g11b1

<400> 6954

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tcttctgcaa ggccgacgag ggctcgtgcc attcaacccg gagtacctcg acgagtccgt 180

gatgtggacg gagagcggcg acgtcggcaa gggcttccgc tgcattcgca tggtgaacaa 240

catccgcctc aactttgacg ccctcaacgg cgacaaggac cacggcggcg tgcacgacgg 300

caccaccgtc gtcctctggg agtgggccaa gggcgacaac cagagctgga agatcctccc 360

ctggggcgaa gaggcctacg ccggaggcag cgccaacgcc ccccgcggtg gctccacaga 420

gcccaccgtg cg 432

<210> 6955
<211> 392
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007g12b1

<400> 6955

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ttccttgttg catgtggagc tggatttggt ttatggctgt acaacctcac tgctgtctgt 180

taccatgctc tttaccttcc acttctgtat gtgactttca tggcagactt cttccaggag 240

gaagatatgc ttctagagaa cgtatactac tccgagatga aagacgccgg gttctttgat 300

gctgactggg attaaacctg cctgcagatc ccgttccacg ctgtatgact tatttgtatg 360

tgaatttgca cggagtagct tcatcctgga ga 392

<210> 6956
<211> 340
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007h01b1

<400> 6956

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attctctgcc gtatcatgat gctagtggag ctagtaatga tgtctatgaa tttgtaaaaa 180

agcttggtaa atttaaggag accaagcgca cagaaggaat atcaacctca gacattataa 240

tgaggattgt taaagattat aatgagtatg ttatgcgcaa tctggccagg gggtacagca 300

gaaatgatct tggtgtcagc tatgtcaagg aaaaacgact 340

<210> 6957
<211> 307

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007h02b1

<400> 6957

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ggcacccaag gggggcgaga atgcaggtgg cagcagctgc agactccaag aacattctca 120

tcatgggagg caccaggttc atcggcctct tcctgtccag gaaacttgtc caggagggac 180

accaggtgac attgttcacc agaggaaagg cacccataac ccagcagttg ccaggtgaat 240

cagatgcaga gtatgcagag ttctcttcca aggtgctgca tttgaaaggt gataggaaag 300

actttga 307

<210> 6958
<211> 392
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007h03b1

<400> 6958

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ggagcaagaa gtcacgccgg atgaggttgt gcatgaagct gcagttggca agggtttggg 120

tggagctttg aagtttctaa aggagcgagg gaccctcaat gagggcacca attggggagg 180

cagaaccacg gacaagaaga aaagcaagct tgttggtatt gaggaagagg ctcaggacgg 240

aaaaaaagaa atccgcatag aaagaatgga tgaattcggt cgagtgatga cacccaagga 300

ggcatttagg gatctttcgc acaaattcca tggcaaggga ccaggtaaaa tgaagctgga 360

aaaacggcag aagaagtacc aggatgatat ga 392

<210> 6959
<211> 161
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007h04b1

<400> 6959

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tgttcaatgt aacgatgata aataaagtga tgtgtaccat catgtgtaac cccgagctat 120

actagttcaa acatgagaat aaaagaaaga aagttcttgt c 161

<210> 6960
<211> 445
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007h05b1

<400> 6960

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gcgcgggctg gcggagatct ccatgagggt caccgccaag ctcggcggct tggtgggggc 180

ctacgcgcgc cgcgagctgg atctggtcaa cgacaacccg acgtggcagt gcctggacga 240

gtgcgccgag gacatcgagg acgcgctgtc gcacctggac gacgccctgg gcggcgtcaa 300

cgacgcccag ttcgaccagg tccgccagta catcgacctc tccgagcagg acacctggtc 360

ctgcgacgag acctgccggg acacgccgcc cagcccggtc aggaccgagc tgctccgcaa 420

gaacctcgaa ttcgagagga tgatg 445

<210> 6961
<211> 86
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007h06b1

<400> 6961

tttttaaaaa aaaaaaaaaa atagaaaaag agggggttat ttaaaaaaaa caaagaataa 60

aaaaaaaaaa aaaggggggg ccgttt 86

<210> 6962
<211> 305
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007h08b1

<400> 6962

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cgtagcgggt tgcgccctct ccacccgccg tctccccttc ctccgggcaa taagctctgc 180

tcgaatggag tctacttcca cgaccgtacc ttccattgtt gtgtatgtga cagttccgaa 240

tcgggaagca ggcaaaaagc tatcaggaag cattatcagt gagaagcttg ctgcttgtgt 300

gaaca 305

<210> 6963
<211> 111
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007h09b1

<400> 6963

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gggttgtgta atattcagac ttgactagtt ctaatcactt gttattcgtt c 111

<210> 6964
<211> 118
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007h10b1

<400> 6964

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atgttcaggg ttgtgtaata ttcagacttg actagttcta atcacttgtt attcgttc 118

<210> 6965
<211> 436
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007h11b1

<400> 6965

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atctccggcc agcgccgttt ggttcctgcc ggccgccgtc ttcatcctcc tcctcctcct 120

tctgggccgc ccgaccatgg acccctacgc tcccgccacc cctcctggtc ccgtgtcttc 180

ccggcgcgcc gatctgtacg gcaggatggc gcgggacctt gacgagcgcg gcgcggcctt 240

cttgaagggc ggcgagacat cgcagtccct cacgctctcg gacctcttcg aggtcaggga 300

cggcgccgtc gtgcccaggc tcaaggccgt cgacccgccg gtgcgtgcaa acgtgctcta 360

cctggacccg gtgttcgccg ccgagatagc gaaggctgtg aaggaagtat ttcttcctta 420

ttttgataaa gctatt 436

<210> 6966
<211> 301
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189007h12b1

<400> 6966

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aacaagtttg atccagattt gtgtgttttt tacaccgaat gctcgaggtg ctgctagtac 180

tttgttatct atctatctat ctctattata ataccctttg gaattggaac tgagtggttg 240

ctggaactta gattccggtt tgctcatccg ccctatctct atgaatgaat tggtttgggt 300

t 301

<210> 6967
<211> 339
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009a01b1

<400> 6967

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tacttcaggc tatgctcaca gggggagctc tggagttgga cactcttcta tgctggtgtc 180

actgctgtcg gtgttggttc atcctactac catctctacc cgaatgatgc caccttagtt 240

tgggacagat tgcctatgac gattgctttc acgtctatcg tggccatttt catcattgaa 300

agggttgatg atagggcagg aacaaagtcc cttgcaccc 339

<210> 6968
<211> 248
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009a02b1

<400> 6968

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catagcaatg gctggcactg gcagcacctg gctcctgctg gagcagaagg gagctgggcc 120

gggagcaagg agctcccacg ccatcaccct cgtcggcggc acggtctact ccttcggcgg 180

agagttcacc ccgcgccatt ccgtggacaa caccatgtac gccttcgacc tcaaggcgct 240

attctggt 248

<210> 6969
<211> 137
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009a04b1

<400> 6969

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agactagagc gtctacatgg ccaagcttgc ggagcaggcc gagcgctacg aggagatggt 120

ggagttcatg gagcgcg 137

<210> 6970
<211> 201
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009a05b1

<400> 6970

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ggctgccagt ctcgtgaggg ccccatcctt tgcgtcaata actgcggttt cttcggcagt 180

gcggcgacca tgaacatgtg c 201

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<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009a07b1

<400> 6971

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ctg 123

<210> 6972
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<223> Clone ID: uC-tsrow189009a08b1

<400> 6972

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acaagggctt acaaatttgt cgcctactca gcggtcactt tctctattgt ggctgtgttg 120

agcgtcgttt gcacactacc aatg 144

<210> 6973
<211> 157
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009a09b1

<400> 6973

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ctccaactct gggatacagc tggtcaggaa agattcagga gtttaattcc aagctacatc 120

agagactctt tagttgctgc tattgttttc gatgttg 157

<210> 6974
<211> 173

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009a12b1

<400> 6974

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aggcggacta cgcgctggag accatcggcg gcctccggcg agccatcccg gag 173

<210> 6975
<211> 255
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009b01b1

<400> 6975

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cctccggcgt cacgcgcctc ccccgcatct tccgcgttcc ctacggcgtc caccgaccac 180

aaccacctcc accgcacgcc ccatcccaag aagcgccgtc cgtgcccgtg atcgacctca 240

gtggcgccga ccgcg 255

<210> 6976
<211> 183
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009b02b1

<400> 6976

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cgcgggttcc agccaggtgg gtcgcagacc aacagcaggg gcggggtccg tatgaacagg 120

ttcggcgacc tcagccccag ggaggtcatt cagcagttta ccgggctcaa caccaccagc 180

ttg 183

<210> 6977
<211> 225

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009b04b1

<400> 6977

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aaggaaatat ggtacaacta ttgctcctag tctgtatgca cctgtccacc agcatttttt 180

tgttgcccgt atggacatgg ctattgattg caaacctaac gaagc 225

<210> 6978
<211> 174
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009b05b1

<400> 6978

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tctccctacc aaccatcttc cttagcgacg aggccaccca gagctccaca ggaaagaagc 120

gcgaccggag aaagaaggag agcaagatgt cgtcggtgtt cagcggcgat gaga 174

<210> 6979
<211> 133
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009b06b1

<400> 6979

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tggtgtcgct ggc 133

<210> 6980
<211> 175
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009b07b1

<400> 6980

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gcaagcacga cccagcgatt gtccttgcta aggttgatgc caacgatgag aagaacaagc 120

cgcttgcggg caagtacgag gtccagggct tccctaccct taagatcttt aggaa 175

<210> 6981
<211> 84
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009b09b1

<400> 6981

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gacgctgtga gccgcggcgg agag 84

<210> 6982
<211> 183
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009b10b1

<400> 6982

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caactcactc tacagcaaca aggacatctt cctgagggag ctcattttca atgcatctga 180

tgc 183

<210> 6983
<211> 112
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009b11b1

<400> 6983

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ctgccccacc gccttaagat gcacatcatg atgaagaccc tcaccggcaa ga 112

<210> 6984
<211> 118
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009b12b1

<400> 6984

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ggccggcgcc atcgccgagg acgcccagct cggcgaatca ttccgttcat ggcttgat 118

<210> 6985
<211> 170
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009c01b1

<400> 6985

acgatactat ggattctccg gcggcggcag ctagggcggc ttttgtggca aggttcggtc 60

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cgggcttcgc gccgccgagc ccgtccacgc ctccccccgaa ggccgacccc 170

<210> 6986
<211> 238
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009c02b1

<400> 6986

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gctgccgtcg ctcagcccgt ccccggacgt agacgcgctc ttcaccgagc tggtcaccgc 180

gtgcgttccc ccgagccccg tggacgtgac caagctcggc ccggaggcgc aggagatg 238

<210> 6987
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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009c03b1

<400> 6987

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cgacccccct aatccttctc ccaaccctta tctgtatccc tctccatggc cacggcggcg 120

gcggcgaagc ggaagccggt gttcgtcaag gtggatcagc tcaagcccgt caccagcggc 180

cacacgctcg tcgccaaggt gctcagctcc aagaccgtcc tccagaaggc ccgcgccgct 240

ggcggccccg gcccagccgc caagcccacc aggatcgccg agtgcctcat cggcgacgag 300

acc 303

<210> 6988
<211> 217
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009c04b1

<400> 6988

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ataagcagat ctggaaaatg ccaaagctgt gggttgg 217

<210> 6989
<211> 206
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009c06b1

<400> 6989

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ccccaaagaa ggcaagacct cttcctcctc cggccccgac ccctaccacg gtgctccgcc 180

cccgcagcag ccttacggcg gcggcg 206

<210> 6990
<211> 374
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009c07b1

<400> 6990

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tccctcccac gcggcgcgcc cgctcgccgc gcgcgcgaat ctcggtcgca actggtgtac 120

tgttgaagga aggaaaaatc atcctatttg tcatggcggg aactgactcc tcggcgtcat 180

cgagacaaag cagtttcaac tcattagcaa aggacctaga acttcctttg gagcaagggt 240

gcctcaccat cgttgtactt ggggcttctg gagatcttgc caagaagaaa acgttcccgg 300

cactctacca ccttttgag caggggttct tacaatctgg tgaagtgcat atagtggggt 360

atgcgagaac aaat 374

<210> 6991
<211> 195
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009c08b1

<400> 6991

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aggaagccgt gggtg 195

<210> 6992
<211> 107
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009c09b1

<400> 6992

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agggaagccg gaaaggggtt ctcgccgtgg cggaaggagg agatggc 107

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<211> 200
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009c10b1

<400> 6993

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tggtcacctt gcaggaccac tctcagtggt tggcccttct gttcacttac acaaaaacag 180

aaggcagaag atgatattgg 200

<210> 6994
<211> 84
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009c12b1

<400> 6994

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atgaagtact tggggcaggt ggtg 84

<210> 6995
<211> 172
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009d01b1

<400> 6995

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gcattcccct tcccaactat ggagactttg gtggctggtt ctgcccgtgc catggctccc 120

actatgacat cctatggcag aatccacaag ggccctgccc cgtacaacct tg 172

<210> 6996
<211> 229
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009d02b1

<400> 6996

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ttcactctgc tctacttcac ctactacggc atgctcgccg tggggctcac ccccagctac 120

aacatcgcct ccatcgtctc ctccttcttc tacggcgtgt ggaacctctt ctcgggcttc 180

gtcatctcac agccgacaat gccggtgtgg tggaggtggt attcgtggg 229

<210> 6997
<211> 211
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009d03b1

<400> 6997

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ctggcggcag tggggctggt gtcgcggcag t 211

<210> 6998
<211> 195
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009d04b1

<400> 6998

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gattgaaacc gaaaagcttc tagctcaatt ggttgagacc gaaatgaaca aacgtttgaa 120

ggaaggcact tacaaaggaa agaagttcaa tgcaatctgt cacttctttg gctaccaagc 180

taggggtgca atgcc 195

<210> 6999
<211> 211
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009d05b1

<400> 6999

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ttgtgctggt ttcaccacct ttctggtgaa cacggaaatg gcgggtaact gtgccatggg 120

cagcttcagc ttcgatggtt ttaccattag ggcacatcaa tactgacgtc atcaagccca 180

aagagccaaa accttgagct aagaaatcac t 211

<210> 7000
<211> 150
<212> DNA
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<223> Clone ID: uC-tsrow189009d06b1

<400> 7000

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gatgtaccct gatctgacgg agcagggcag 150

<210> 7001
<211> 264
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009d08b1

<400> 7001

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ctcggaggtg cttcctagtt tccacgatga agctgatcgc tgcctacctc ctcgcctatc 120

tgggtgggaa ctcttcccca agtgccgctg acgtcaagaa catcctggac tcagttggtg 180

cccaggctga tgaagaaaag cttgagttcc ttctggctga actcaaaggc aaggacatca 240

cagaagtgat tgcatctgga aggg 264

<210> 7002
<211> 170
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009d09b1

<400> 7002

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agcatcagcg cggaagagcc aaggagccga ccatggcgac gatcgtcaac accacggagg 120

aggagccgat gctggcggtg gtgcgctcca cggcggagct cgcctgggcc 170

<210> 7003
<211> 79
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009d11b1

<400> 7003

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ctacaatggg tgaaaagaa 79

<210> 7004
<211> 175
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009d12b1

<400> 7004

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gctcttcgag gcggaggagc tcacctcctg gtccttctac cgggccggga tcgccgagtt 120

cctggccacc ttcctcttcc tctacatctc ggtgctcacc gtgatgggcg tggtg 175

<210> 7005
<211> 239
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009e01b1

<400> 7005

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tgtaccttct gctgggagca gctctgcgga aaaccaggca tttgggcatg ttgcgccccc 180

aaagtcttca aacttttttcg gtgaatatgg gatggacagt ggatatcaca agaaatcta 239

<210> 7006
<211> 110
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009e03b1

<400> 7006

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cgtcttcgcc gggatcgcgc agggcccgga ggaccccatc ctcggggtga 110

<210> 7007
<211> 210
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009e04b1

<400> 7007

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agcagccaag gctgtggcgg caggcaacgg cgacgcagac gccgcgccgt cgacccggcg 180

gacggcggcg ccgaggccag taccttggcg 210

<210> 7008
<211> 69
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009e05b1

<400> 7008

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aggatttta 69

<210> 7009
<211> 80

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009e07b1

<400> 7009

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gcatacgtgc gggaggggag 80

<210> 7010
<211> 215
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009e08b1

<400> 7010

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tgccgaaact gacgctccag ctcaagaaga aaaacgggag gtggagaaag acaaccccaa 120

gaaccgaatc gacttccttg gattcttcgc catgatcttt gagaggttct gctccccagc 180

tgacaagaag aaagactagt tccgtgtcag ctgcc 215

<210> 7011
<211> 286
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009e09b1

<400> 7011

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atatttgttg tatcggaatg ccacacagga agtaaatggc atttggtttt ataaccaaca 120

ggagtgcgaa gctgttgcta gtctgtttgg aaggatactg aatgcttatg cgaaagtgcc 180

cccaaagccg aaagtgccat ccataaaaag tgagtttgag gaattagagg ctgttcctac 240

atcctctgcc atagatggtc cccttgaacc tcctccatca tctacc 286

<210> 7012
<211> 211
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009e10b1

<400> 7012

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cccgttgccg cagcagcaag agaatgggca gcgtcgacgc ctccgagacg acggtcaccg 120

ggtgggccgc cagggacgcc accggccacc tctcccccta cagatacacc ctcaggaaaa 180

caggacctga agacgtggtg ttgaaggtta a 211

<210> 7013
<211> 232
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009e12b1

<400> 7013

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catccgtgct gccaccaagt caatcgagcg ggagatcaat tccgtcaacg acaatccact 120

catcgatgtc tcgcgcggca aagctatcca tggtggcaac ttccagggca cgcccatcgg 180

tgtgttcatg gacaacacca ggcttgccat tgctgcaatc ggcaagctca tg 232

<210> 7014
<211> 107
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009f02b1

<400> 7014

cctcgctacc gagcgcgcgc gcgcgcacgc acggacttcg acaatcgtcg tcggcttccg 60

agcgagaccg accggccaat cttccaagaa aacgccgggg gggatga 107

<210> 7015
<211> 149
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009f03b1

<400> 7015

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caaggccgcc gtcggccacc ccgacacgct cggcgactgc cccttctccc agagggtgct 120

gctcacgctg gaggagaaga aggtgccct 149

<210> 7016
<211> 116
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009f04b1

<400> 7016

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attgatcgat tccgtttcca tatcgctccc cggaccccga gatgggattt tgatgc 116

<210> 7017
<211> 205
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009f05b1

<400> 7017

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caagcgagta tgtctgtggc gcaattgcag cagctcaaag cattcgtcaa gcaggatcaa 120

caagggactt tgttattctt gttgatgaca ccataagtga ccatcaccgg aagggccttg 180

aatctgcggg ttggaaggtg agaat 205

<210> 7018
<211> 143
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009f10b1

<400> 7018

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caggacaagg ccgccggcga caaggccgcg gcggagccca agaggcagac gccgcggctt 120

aacgagcgga tcctctcctc cct 143

<210> 7019
<211> 139
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009f11b1

<400> 7019

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cgcgcgctgc ggtctcgtc 139

<210> 7020
<211> 265
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009f12b1

<400> 7020

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tcaagggcac catcttcttc acccaggagg gagagggccc gaccaccgtg acgggaagtg 180

tcaccggact caaggaaggg ctccacggct tccatgtgca cgctcttggc gacaccacca 240

atggctgcat gtcaactgga ccaca 265

<210> 7021
<211> 231
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009g01b1

<400> 7021

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caagtctctt gagaatgtca actcagagaa ctcatttgac agtatcaaaa ttgatttggg 120

ggaccaaaat gtttcaagta gcttggatat caaaaaaggc aattcctttg cagcaggtca 180

gtcgtgctct gataataatg caactgaagc tttgaaccat cttgcaaatg c 231

<210> 7022
<211> 268
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009g02b1

<400> 7022

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gcactttctg gtggtgagct cgtctttggt ggcatggacc cggatcacta taagggaaac 120

cacacctatg tccccgtgag ccgcaaaggt tactggcagt ttaacatggg cgatctcttg 180

attgatggcc actctactgg cttctgtgcc aaaggctgtg ctgctattgt ggactctggg 240

actttcctgc tggctggccc aacagcta 268

<210> 7023
<211> 108
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009g03b1

<400> 7023

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cagcagagca gcgcgcgcag cggcaccaag ccgtccatgg ggatgggg 108

<210> 7024
<211> 183
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009g05b1

<400> 7024

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gcttggatcc agccgttccc gatcgagatc tgccccggcg ggcgatgaga gcatgacccc 120

cgcgcaggac cccttctaca tcgtcaagga cgagatccag gattccattg acaaaataca 180

aga 183

<210> 7025
<211> 111
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009g07b1

<400> 7025

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gcatgaaatt gtttgtggac gctcggggaa acctttgcat gagaacaggt g 111

<210> 7026
<211> 219
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009g09b1

<400> 7026

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ggttcgacaa tactgcccag cctgtcaatg tgtcatgatg tactggttcg ggattctgat 120

gggcagcatt gtgcaccaag tgaactcagc atactacagc aactcgaagc agtagttctt 180

gtgccaaatt acaatagatt gatgccaagt gggcggacc 219

<210> 7027
<211> 218
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009g10b1

<400> 7027

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gccgccggcg agatggccgg cgcgcgctcg caggtcaaca agccgcacaa gacgcgcttc 120

gcctccaagg cctcccgcca ctcgcacaag atcgacaagg tcaggagcgg gaagccagcg 180

ggcagccacc gtgccgtcgt caagggcgcc cgtgcggt 218

<210> 7028
<211> 235
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009g11b1

<400> 7028

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tagatgcttt caagaagaat gttgagtccg ccacaaagta tcttcttagc aagctcaagg 120

accttcagtt ctttgttggc gagagcatgc atgatgatgg cggcgtggtg ttcgcctact 180

acaaggaggg agctgctgat ccaacttttc tgtactttgc acatgggctg aaaga 235

<210> 7029
<211> 174
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009g12b1

<400> 7029

aggtttccgc cgcgatctcg tctcgcgacg cactctctat ctgagattag gaatcgggcg 60

aggcctgcag ctcctgccga catggcgctc gttttgcatt cgggcagtgg caacaagaat 120

gccttcaagg cacttattgc tgcagagtac tgtggggtca aggttgagct gacc 174

<210> 7030
<211> 148
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009h01b1

<400> 7030

cgtactcgtg ggcggacgcg tgggtacact tctgggggat ctctggaccc gatcaccggg 60

gtgaaccagc gctccttctt catctacatc aacaaccaga cggcgcaaga gcagatggac 120

gtcatcgcgt ggagcggagg gatagggg 148

<210> 7031
<211> 377
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009h04b1

<400> 7031

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agcggagaca cgaatcgagc cgtgtcgaca acaaacaatt agcccagacc ccgaggacac 180

cagcgcaaaa acaccgcccg ccaccggggc ggtcaagaga ccgccgccgc cggccgatcg 240

gagcaccatt ggagccgtgc gcgccccttc gactgccccc gcgcgttcgg gcgctgaccc 300

gtcgcagcgc cgtcgtccgc gctgtcgcga tggagtctgc cggctactac accaactgca 360

agaagaccga cggaatc 377

<210> 7032
<211> 212
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009h05b1

<400> 7032

ctctatttaa cccgcgatcg agcgaggcaa aacaggtcga ctagtgaggc gcccagatcc 60

aaaccccccc tcccctctct ctctccagat ctcgcgtccc ctgcctctcc tcggatctaa 120

ccactccatt tcctccccac tcgccccgcc gcgacccgga ggaggaggag gaggaggacg 180

gccgctcaaa aacaccgtcc gccaccgggg cg 212

<210> 7033
<211> 214
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009h10b1

<400> 7033

tgtggaaagg ctcgtcgtgc acgagatgga ctcggcacac aaccagctct ccaatatgga 60

cgattactcg tatgttcaat gaagctcttg catctcatca gtaataagct acattggatc 120

aaagacgctc accaaggaag gccaagacat atgtaaacga ttccgcacag cctcgcttgc 180

agaattgaaa catctatcct tgggtcatgt tctg 214

<210> 7034
<211> 119

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009h11b1

<400> 7034

tcctcgcgtc cgagaacaga gaagagcagg ggccagcgtt taatcagagg gtcgatgaat 60

gaaagaagac atggacccgg acatgggcga gaacttcgta tactactggg agacgcagt 119

<210> 7035
<211> 141
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189009h12b1

<400> 7035

ttatgaacag tccaggctcc agagagcgcc cccctgcaca gagtgcgaga gggagagagg 60

gagagagagc ggaccagtcg tcgccggcgg ctagcagcgg agcggttatg aaggagagag 120

gcgggtcgag ggcggcggtg g 141

<210> 7036
<211> 281
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189012a05b1

<400> 7036

gtgccttcaa tgatttaaat ataactgcac cgggggggag ttctatgtaa taatgtgatc 60

atgtagttcc ccaccacgca gaaagagaca tgcatgtaca gctgtgtata tgagctgccc 120

acatgatcaa actttgatcc atgtcctcac actatagtat agaggatgca ctacaattgt 180

tcaagcaact ctgcacagat gcgaacaaca ggtcaaatca gttccctcta gataactctc 240

taaccatgaa ccatggaatt taatttgctc agagaattgt a 281

<210> 7037
<211> 349
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189012a08b1

<400> 7037

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gaaggcctgc cgcgaggcct tcgacaacgg cccatggccc ataatgcccg gctgtgcaag 180

ggcccggatc atgcacaagt tcgcggacct ggtcgaccag cacgtcgagg agctggcggt 240

gctggacacg gtggacgccg gcaagctctt tatgatgggt aagatgatgg acatccccgg 300

aggcgccaac ttgctccggt actacgccgg cgccgccgac aagatccac 349

<210> 7038
<211> 300
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189012a10b1

<400> 7038

tctgtcgggc accgtctcct gcgggagtgc gggcgggagt actttcacat ggacatgttc 60

ttctccaggg agttcatgga gtgcgccaag aggcagtcca gcatggcgca gtcggtctcg 120

cgcggcggcg gcatggtcgc caacacgtgc cgcgcgctcg agggcgagtt cgtcgacgcc 180

ttcgccgaga ccctcgccgc cgtcggccag aggatcttcg ccatcgggcc gttgaaccct 240

ctgctggagc cgggccagat cgacgcgaag caggggcggc acgagtgcct ggactggctc 300

<210> 7039
<211> 175
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189012b04b1

<400> 7039

gttatttagc cgcagcgccc gcacgcctcg acccaaggga tctttatggg ggtttcctac 60

tttatggcac tgggcatcaa gcgcgcgtcg cggtcgcaca cctaccaccg gcgagggctg 120

tgggccatga aggccaagcg cggcggaacc ttccccaagg ccgggaagcc agccg 175

<210> 7040
<211> 155

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189012b09b1

<400> 7040

tcgctcatcg cgtccgagga aagggagccg tggaaagctc tccccccctc cccaaatttc 60

atcttcgttc ttccgctcct ctcctcgcct cgcctcgcct cgcccggacc ccggccggat 120

tctcgtcaag gaggaggagg aggaggaggg ggagg 155

<210> 7041
<211> 309
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189012b10b1

<400> 7041

tcggtcccga ggatctttga gtgacgcctg ctgcatggcc agttgcgttc ccagaaacct 60

tcctgtcctc cttcgctgag ttaacagtca tgtaattttc gtgtgcattc tgctggggtg 120

ttgtcctggg atagcccctt tacataataa ttgtaatccc ctctgtgctg ttcatctaca 180

cttgttcttc ctgggcgtgc cagggacgta aaatttcttt tggttatatg atgcccatag 240

ttttcacatg cctaaatttg tttcttcttt cgccctgctg ggccgtaaga gttgcttttt 300

gctggaaaa 309

<210> 7042
<211> 140
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189012b11b1

<400> 7042

atcgcttgtg ttctaaaatg tgtcgtcata tgacccagtg taagagctgc attgagcatg 60

ctgattgaca tggtaacctg cgtggtttgt gcgtggtgtt tgttactggc ttttgctaat 120

acaagtgtct attgtgaggt 140

<210> 7043
<211> 394

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189012c07b1

<400> 7043

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aatcttcggc ctcaacaagc tcgaagagaa gaaggagagc aaagtcctca agttcctggg 180

attcatgtgg aacccccctct cctgggtcat ggagatggcc gccatcatgg ccattgcgct 240

ggccaacggt ggtgggaagc ccccggattg gcaggatttc gttggaatca tcgttctcct 300

ggtcatcaac tccaccatct tcttcattga agagaacaac gccggcaacg ccgctgctgc 360

gctcatggcc aaccttgcgc ccaagacaaa ggtg 394

<210> 7044
<211> 163
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189012c08b1

<400> 7044

tcgctgacgc gtgggcggac gcgtgggcga cctgggggag tacttcatga ggtcggacac 60

ctagttcact gacaactaca acagctggac gacaccgacg acggagcagg agccggagga 120

ggagcagtac taccgcgagg agtacgtgcc ttcatacagg ccg 163

<210> 7045
<211> 437
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189012c09b1

<400> 7045

ttgataaacg ccggctctcc cccgctccgc ctccctgcct cattctcccc cgctccgcgc 60

cctccgccgc cagatccctt cgagcccccc gcgcccccgc gtcgaagatg agggagtgca 120

tctcgatcca catcgggcag gccggaatcc aggtcggcaa cgcgtgctgg gaactttact 180

gcctcgagca cggcatccag cctgacggtc agacgaacgg tgacaagacc atcggaggtg 240

gtgatgacgc cttcaacacc ttcttcagcg agaccggagc cggcaagtac gtgccccgcg 300

cggtcttcgt cgacctcgag cccaccgtga tcgacgaggt ccgcaccagc gcctaccgtc 360

agctcttcca ccccgagcag ctcatcagcg gtaaggagga cgcggccaat aacttcgccc 420

gtggtcacta cacaatc 437

<210> 7046
<211> 310
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189012c10b1

<400> 7046

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ggtccacaga tttggaggat gtcttgcaac tgcggatcag gctgcagctg cggctcagac 120

tgcaagtgcg ggaagatgta ccctgatctg acggagcagg gcagcgccgc cgccgaggtc 180

gctcgccgtg gtcgtcctcg gcgtggcgcc tgagaacaag gcgggacagt tcgaggtggc 240

cgtcgggcag tccggcgagg gctgcagctg cggcgacaac tgcaagtgca acccctgcaa 300

ctgttaagct 310

<210> 7047
<211> 397
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189012c11b1

<400> 7047

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aggtggcgac aagtaccggt cgttcatgga cggtgagggc gagaagaaca ccgtgtggag 120

gcatggagtc cctcccaact tcgacgtggt gaacaagctc ttcgaggaag agaggactaa 180

ggaatgggcg gaggggagtg tggaagagaa ggtgcagcgg ttgctcaaga catgggagat 240

ggagatgttc cacaagttgc ggcccgagga ccagaagagc gtgcactccc agggattcac 300

cagcagcacc aacgggatga agcctctgac ccgaaaggag tggaccgcca tcggtggcta 360

caacgcgttc ctggcaacca agctgccgtt ggagcac 397

<210> 7048
<211> 357
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189012c12b1

<400> 7048

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gtgaaggatg gtttcgacat caagaagccg caggtgatcc actcgcgcgc tcgtttcacc 180

aagcgtaacg aggccaagcg caagggccgc cacaccggca tcggtaagcg ccgtggtacc 240

gtcaacgcgc gtcttccgtt caaggacatc tggatgcgcc gaatgcgtgt gcttccgtcg 300

tttctccgca agtaccgtga cgccaagaag atcgactcgc acatttacca cgagctg 357

<210> 7049
<211> 428
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189012d02b1

<400> 7049

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gctcaaggac ggcttccgca atccgcctcg ggactacagc atccaaggag acccgttcag 180

cagggtgttc accaccatcg gcgcggcggc gagcctggtg ttcgcctaca acaccggcat 240

gctgccggag atccaggcca ccgtccaggc gcccgtggtg aagaacatgg agaaggcgct 300

gtggttccag ttcaccgccg gctccctgcc cctttacgcc atcatagtca tcggctactg 360

ggcctacggc aaccagacca ccacctacct gcttcacaac gtcactgggc ccctgtggat 420

caaggcag 428

<210> 7050
<211> 300
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189012d03b1

<400> 7050

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cagttcgcta caaacaaggg agaagctcta tttgatggcc gttggacact acagaaatgg 120

ggattacaca agaagccgag agcttctgga aagatgctta gaggttcaac ctgactggag 180

gcaagctctt actatggaaa ggctacttga agagaaaacc aaaagagatg gcatgattgg 240

catggtcatt gagaccggcg cctgtggact tgtggggctt gttgctggtg gaatcatagc 300

<210> 7051
<211> 396
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189012d06b1

<400> 7051

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gcgatgctgg atgcaacggt gggttgatga cttcagcctt cagctatctg ctgaaatctg 180

ctggccttga gagagaaaag gattaccctt acaccgggaa ggacggtacc tgcaaatttg 240

agaagtccaa gggtgctgct tcagttcaaa acttcagcgt agtcgctgtt gatgaagaac 300

agattgctgc taaccttgtg aaatacggac cgctggccat cggtatcaac gccgtataca 360

tgcagacata cattggcgga gtgtcatgcc cataca 396

<210> 7052
<211> 368
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189012d08b1

<400> 7052

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cggctccgtc gggaccaggt gggccgtcct cgtcgccggc tccaacgggt actacaacta 180

ccgccaccag gcggatattt gccatgccta ccaaatattg aagaagggtg gtctcaagga 240

tgagaacatc atcgtcttca tgtacgatga cattgcgcac aacctggaga acccgaggcc 300

gggcgtcatc atcaaccacc cccagggtgg agatgtctat gctggggtcc ctaaggacta 360

cactggga 368

<210> 7053
<211> 312
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189012d09b1

<400> 7053

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ccccaggagt accgaaggaa aagggtggaa gctcacggcg cgctaccctg ccaggatgcc 120

actagatagt tcatcatctg atttataact atttctgatc ttcattagtg agtatagagg 180

aactggagca catatcagtt tacctgtgtg cccacctcgc tgccgcaacc taccgtccca 240

ttcggtacta tcgtcaagtt atgtagtctt tatggacatg gttaatgata tcttgtcagg 300

aaaaaagatt gc 312

<210> 7054
<211> 474
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189012d10b1

<400> 7054

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cggttactcc tcctcctcct cttccgtcaa gatggcgcgc tcggcgctgg acgaggtgac 120

cgacaccggc gccttcgacc ggacgccgtc caccttccgg agcttcgtgt ccagggacgc 180

ctccgcccgc ttccccgcgg tggcgggcag gtaccacctc tacgtctcct acgcctgccc 240

ctgggcgtcc cgctgcctcg cctacctcaa gctcaagggc ctcgaccacg ccatcagctt 300

ctcgtcggtg aagcccatct tcgagcggac cagggagtcc gacgaccacc tgggggggt 360

gttcccggcc accgccgacg aggtgcccgg cgccagcccc gacccttca acggcgccaa 420

gagcgtcagg gatctgtacg agatggcgag caccaactac accggcaaac cgac 474

<210> 7055
<211> 384
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189012d11b1

<400> 7055

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ggctcaaccc caacggcacg ggcatggtgg gcacgcaggc cgtggtggcg ttccggcatt 180

ccaacggcag cctcgtcgcg tacccgacga tgctggacag ctacgcgccg tccatggcgc 240

ccgcggacgg tgccgagctg gcgttccccg tgtcggacgt ggcggccgag tacgccaaga 300

acggcaagga gatggtcgtg tacgcgacgg tcgcgctgcc cgggaagggg agcaagttca 360

cccacgtctg gcagcagggg ggct 384

<210> 7056
<211> 266
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189012e05b1

<400> 7056

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atcctccgcc acctcggcgc ttacaccaaa ccggtgacgg ggacgcgtgt ctccctccct 120

gtcacacaca tccggctgct agaaccttca gcttggccga cctgggcagg gtcgagcaga 180

gcagagcaca gtttacgccg gacccggttc tcaccagatc cgggtgaata accgctgctc 240

tacttggatc tgctaggagg gggaga 266

<210> 7057
<211> 212
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189012e06b1

<400> 7057

tcttgttcaa gcataaggag gctgtgaagg ctgctttgga cgcggttgaa aagaagaagg 60

aagaggagga cgcttccaag gctggtgagg acgatgatga ctaggatgat gaggatgcct 120

atgatgagga cacggatgac agggctgggt ctgatgtcga gtttgatgac gagaagcacg 180

atgagctcta gatggatggt gaggatgaga gg 212

<210> 7058
<211> 381
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189012e07b1

<400> 7058

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gcttatccca aggaacacga caatccccac caagaaggag caggtcttct ccacctactc 120

tgacaaccag cccggcgtgc tcatccaggt atatgagggc gagagggcga ggaccaagga 180

caacaacctg ctcggcaagt tcgagctctc cgggatccca ccggcgccca ggggtgtccc 240

ccagatcacc gtgtgctttg acattgatgc caatggtatc ctgaacgtct ctgcggagga 300

caagaccacc gggcagaaga acaagatcac aattaccaac gacaaggggc ggctgagcaa 360

ggaggacatc gagaagatgg t 381

<210> 7059
<211> 416
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189012e09b1

<400> 7059

tcctacgcgt ccgcggacgc gtgggtcgca ggtgggacta agcaggatgc catggatctt 60

cttcaaggac gttacatcac atctgttagt cgagacatgg cacctccaac aaaagcagga 120

tttgtagaga gctatgcgtc cgcccgcctt gcttttgcat tggtttccgg agcttttatg 180

ttcatgatga tgtcactgag acatgctcgg catgatgctc gtcatttatt gctgtcactt 240

ctctgggctg gtctttgcat cgggatcaca cactttgtga gaagcaatgg ccgggtattc 300

acgaaccggc cccgtgccca caattcgtca caccttgat ggaaagcagg cggngtgata 360

gattatcatt cgttcatcaa acaatggcag tactccactt ttttctatgt agagat 416

<210> 7060
<211> 458
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189012e10b1

<400> 7060

ttgttacgcg tccgctccac cctctccagc gcatcgccta cctcaacatg tcgacctacc 60

cgatcgtcac ggtgttcatc ctggcctaca acctcttccc cgtcctctgg ctcttctcag 120

agcagttcta catccagagg ccgttcggca cgtacatcat gtacctcgtc gccgtcatat 180

ccatcattca cgtgatcggc atgttcgagg tgaaatgggc ggggatcacg ctgctcgact 240

ggtgccgcaa cgagcagttc tacatgatcg gggccacggg cgtgtacccg acggcggtgc 300

tttacatggc gctcaagctc gtcaccggga aggggatata cttcaggctc acgtccaagc 360

agacggacgc ctgctccaat gacaagttcg ccgacctgta caccgtgcgg tgggtgccgc 420

tgctgctccc gaccatcgtg gtgctcgtcg tgaacgtc 458

<210> 7061
<211> 376
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189012e11b1

<400> 7061

ttgctcacgc gtccggggca ccagttcagg acactgggcc gctttccagc tgccagatct 60

tcagccccag gagctccgaa gcagtctctc caatggcggt caaggtctat gtcgtgtact 120

actccatgta tggacatgtc gctaaactag ctgatgagat caagaaagga gtgtcatcag 180

ttgaaggtgt cgaagctaaa atatggcagg tccctgaaac tctccccgag gaagtacttg 240

gaaagatggg cgcgcctcct aagcttgatg ccccaatcat cacaccacaa gaacttgcgg 300

aggcagatgg gatcctcttt ggtttcccta caaggtttgg catgatggct gcgtaaatga 360

aggcattctt tgacgc 376

<210> 7062
<211> 106
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189012e12b1

<400> 7062

ttcgttacgc gtgggcgagg acaagatgaa ggagcgggag gctttgagca accccatgat 60

tttcaagatg taccagggtg ctggtgccga catggagggc ggcatg 106

<210> 7063
<211> 318
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189012f01b1

<400> 7063

tttcgttacc ggaaaagcta cttggggatc ttgggggttt tttatccaag aagtggattc 60

caaataagaa cggcgcaatc aggggcccta tgctgaccag agatgattcc ttcatacgca 120

agggcagcca tatggagcag aggcacaaac tggggctggc agatcgtccg cgtcgatcca 180

atgcacgcca attcctatcc gaacccacat catagcttga gaaagtctag ggggagaagg 240

caaagcagga tgatggccta tctgatctta gcgacatact gaccgagttg gaaggaatgg 300

ccattgacat gggaactg 318

<210> 7064
<211> 118
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189012f02b1

<400> 7064

ttcgtttccg cttctctagc gagcgagcaa gctaggcttg gaggtgaccg aaaatgccgg 60

tcagtaggat cgccgtgggg agccaccgtg aggtgtacga ggtgggcgcc ctcaaggc 118

<210> 7065

<211> 222
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189012f03b1

<400> 7065

cgggtcttga atatctccat aataattgat taagaaccgt actccacagg gacatcaagc 60

caggtaatgg gatgctggat atggacttca ctgctaaact gtgtgacttc tgtttggtga 120

cacagcttac acgtgccgca acctcacgct caacagataa cattattgga acactaggct 180

acatggaccc attataccag cagaacggcc aggttactaa ag 222

<210> 7066
<211> 370
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189012f04b1

<400> 7066

cttgtttacc ggctcgccga cgtcgaccgc tccgcccgca agaagaacag cctcaggttg 60

gatgactggg tgctgtgccg gatctacaac aagaaaggcg cctcggagag gccgagcgcc 120

ggtgaccgga ccgcgagcgc gagccccggg cacgcggtcg tcggatcgcc gccggagcag 180

aagccggccc tgctgccgcc atacgcgccg cagccgttct cggacctggc ggcgtactac 240

gaggtgaggc cgtcggactc gatgccgcgg gcgcacgccg actcgagctg ctcggagcac 300

gtgctgacgg cgtcgtgcga gcggccggag gtgcagagcc agcccaagat ctccgagtgg 360

gagcgcacgt 370

<210> 7067
<211> 329
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189012f05b1

<400> 7067

cttcttttcc gcccgccgtc atccagtccg ccatccggat cccccagcat cgcagccgaa 60

atcaaatctg ccctccccat cccatctcca ctccccatcc catctgatct ccacccacga 120

tggccaatat ccaccacgtc aacaacgttg cacagatgct cggtgtctta gtccagttcg 180

ttggagtcga cctcaatgca gcagccggcc acaccgtgtt tatccacggc gtgaactcca 240

tcaacgactg cgctgagatg ctgcgccacg ctgagtacct cgaagacaga ggtgcagtcg 300

actccaacgt agattcactc cgtctgctg 329

<210> 7068
<211> 432
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189012f06b1

<400> 7068

ccctgctctc tctctctctc tctctctgcc ggtccctctc tctctccttt tattctgcaa 60

ccaatcttgg gttgcgccgg cgggctccag tacggccgcc ggggccgggg aaagcgaagc 120

agcagctcgc cagtgctgcg ggaaaggaaa cgcgaagacg ctgaatataa atctacagaa 180

tgatggctcc tgagttagat aagcaatgct caaacatcca gctgggagaa gaactagaga 240

tatgtgatat caagcttgcg ctcaaggcat tgcgaaagaa gatccttagt ttggattttc 300

ataactcctt gcatgttcat gatccacaga actcatttga gtacttagaa gtgttataca 360

aattgcggca gctgtctgag aagttaggta atttggaccc tggtggagaa gccaaagagc 420

acaaggaact ga 432

<210> 7069
<211> 392
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189012f07b1

<400> 7069

tcgatcccat ggacgcggct cagtcaaaat gggggttcct aatgcaggtg ttcaagatgc 60

caccggatac caaccggaca aagctcttcc caccggccaa tttcaagatc tctggcggct 120

catcgctgaa cccagactat agctgtggcc agccagtgcc tgtcagcccc accgggttcc 180

ctaatcccag cgggctcgac tctacaacgc tggcggttgc gacatggcag gtggtgtgca 240

acattaccac ggccaagggg gccaagccca agtgttgtgt caccttctcg gctcactaca 300

atgactcagt cattccctgc aacacctgtg catgcggttg ttctgtgaac cgccggggtc 360

ctacctgcag cacgactgct ccatccatga tc 392

<210> 7070
<211> 352
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189012f09b1

<400> 7070

tcgtttcacg cgtccgccca cgcgtccggt tcctttcaat gttgtaccag ttcaacagat 60

agttcctcag agtggtggag aaggccaagc tgagttagtt cttgattctt gtattggtag 120

ttccactgtg catgacccgt ctaagatgtc tgctgagctt tgcattggtg aatcttgcac 180

ttctatgtta cagttgacga agaggtatct ccgattggca acaactaatg catcatggac 240

tgcgaacaat tcttttgcag tctacccgta ttattatggg gcttacttta cttcgggtgt 300

ggcattgagt ggcaccacag gctatattac tggtgattat gtggggcttt tg 352

<210> 7071
<211> 295
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189012f11b1

<400> 7071

tagaaaataa aaatccccaa tccctccgcc cacggaccac tgctccccgt cctcccctcc 60

cagatctgcc gggcacggcc ctcgccggcg gcgttgggtc cgcgatgcct cggacggcgc 120

agggggcctc gcccctgctc cgcgacgacg ccggcgccct cctcccctcc gccatctgct 180

gctcccaccg cctcaagccc tggtcttggc accccaatat ccactcctcc tagcgcgccc 240

caaacctgcc tgccgtcccc ttcctccccc ctaccttccc tccccccttcc tccct 295

<210> 7072
<211> 309
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189012f12b1

<400> 7072

ttgatacagt aaacagagag ctcgctctcc gggaagggtg tctttgaaga agaggaagat 60

taagaagcag cgtggagcac gctgctgcta cctggtcatg ctctcagcag tgtgaatctc 120

cagaagcatg cttgccgtgc cttcttccgg gtgcaccgga ggctggcatg tgagcagggg 180

tgcttcagtg acgcagaaga aaaaaggcaa gtcttatcgg caagggaagg ctacgccttt 240

cttccaggtc tccctctctc catctaaatc tgtgtttgga ggaggggget acggttagtt 300

cacccaccg 309

<210> 7073
<211> 319
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189012g01b1

<400> 7073

cgttcgattt aacgcggcgg cggcagcagc ggcagggcag gatgtagata ggagtatcac 60

caccaccgtg caagaaatgg cggtcgagac tttcctcttc acctctgagt ctgcgaacga 120

gggccaccct gacaagctct gcgaccaggt ctctgacgct gtgcttgacg cgtgcctcgc 180

ccaagacgct gacagcaagg ttgcctgtga gacatgcacc aagaccaaca tggtcatggt 240

ttttggtgag atcaccacca aagccacggt tgactatgag aagattgggc gtgacacctg 300

ccgcaacatt ggcttcatc 319

<210> 7074
<211> 265
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189012g02b1

<400> 7074

gtctattgcc gggtcgaaga agctgatcta cttcgggccg atggcggagg ccccgccgtt 60

cgacctggag gacctgttgc gcgcgtcggc ggaggtgctg ggcaagggcg cgttcggcac 120

ggcgtacaag gcggtgatgg agagcggcgc ggcggtggcc gtgaagcggc tcaaggacgt 180

ggacctcccc gagccggagt tccgcgagcg gatcgcggac atcggtgccg tgcagcacga 240

gctggtggtg ccccttcgag cctac 265

<210> 7075
<211> 360
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189012g04b1

<400> 7075

ctcacgtgtc cgcccacgcg tccgtcacgc gtccggagca aagcagttga atatgataac 60

tttattgagt gttgccttac agtcaagggt ctgactgaga agttcaagga gaaggacaca 120

gcttattccg ggtctgcaac tttcagttac gaggcattca tgttgactgt gctcctttc 180

atcatcgcat gatgactccg cagttcaata caaagactga gctttgagtg tgttgttcca 240

tgtgtcgaaa cgtttttcca tcggaggtgt agtttgtctg aattcgagtg atgtcgctgc 300

gttcctgata aggtgatacc ctggagattg gaaactgcct atggatggtt tggaactctg 360

<210> 7076
<211> 433
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189012g05b1

<400> 7076

gtgcgctgcc gtccgaatct ctgcgcgagg caggccggtc aaccgatcca tccggccatg 60

gcgtgcaggg gcttcttcga gtgcgtcctc aagctgctca acctcgtcct catggctgtc 120

gggctggcca tggcgggcta cggcgcctac ctgctcgtgc tctggctcca gctgctgcct 180

ccgtcgccgc cggcgccgcc tccaagcggc gacctagtgc accttggccg gccgatgctt 240

cttcttattg acgtgtctat ctcagatggg acctcggaga agctcatcag cgcatggttt 300

atttttgcat ttataggtgt cggtgttata cttttcatta cctccatctt cggttgtgct 360

ggagcgtcag ctaggagtgg atgctgctta tccacttatt cattcctcat cattttgttc 420

atactagtag agc 433

<210> 7077
<211> 447
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189012g06b1

<400> 7077

gttccttttc cttccggcgc ctccaaaccc tagcccgttg agccagccgg aagaagcggc 60

gagacattat gggatgggcc gcgcggttcc tgactgcggt ctcattcctc gccttgggcg 120

tcctcttcgc gccggacgcg ctcttcggcg gcgcccccgg ccgcccagcc gccggcgtcg 180

cggcggcgag gctggcccat gtactctgct tcgccaccgc atgggggccc gcgctctggg 240

tcaccttcat cggcggcatc gtcatgttca agcatttgcc aaggcaccag ttcgggagtc 300

tgcaggggaa gatgttccca gcatacttca tgttgatatc ggtgtgttca gctatatcgg 360

ttgcagcatt tgcatacctc aacccatgga agacagcatc aactgttgag cgttaccagc 420

ttggtttcct tcttgctgcc ctcggtt 447

<210> 7078
<211> 300
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189012g07b1

<400> 7078

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cctgcgtcgg cgtgtggcag catgaccgag ttgagatcat cgccaacgac cagggcaacc 180

gcaccacccc ctcctacgtc gccttcaccg actccgagag gctcatcggc gatgcggcca 240

agaaccaggt cgccatgaac ccggtcaaca cggtcttcga tgcaaagcgt cttattggca 300

<210> 7079
<211> 330
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189012g09b1

<400> 7079

tcgttctggc ttcctaacta actaaacagt gggcagagtg ctcgctctcc gtgaatgatg 60

tccaggaaga ggaggaagaa gaagaagtgt ggagcacgct gctgctacct ggtcacgctc 120

tcagcagtgt gaattcccag aagcatgctt gccgtgcctt cttccgggtg caccggaggc 180

tggcatgtga gcagggatgc ttcagtgatg cagaagaaaa aaggcaagtc ttatcggcaa 240

gggaaggcta cgcctttctt ccaggtctcc ctctctccat ctaaatctgt gtttggagga 300

gggggctacg gttagtttac ccaccggttt 330

<210> 7080
<211> 271
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189012g10b1

<400> 7080

ttggtatctt gtccagagct ttgcagtcac cggaggctct attggtacaa aatgccatct 60

tatttctcaa agtcattgga gcattcgatc agaatgaaga gttcacagtt ctaggaaagc 120

ccctgtctat gcttccagtt gagcctaaca taggcaagat gctgatttgt ggggctatat 180

ttaattgcct tgatcccata ttaaccatct gttgcatgga cttatcggaa gagatccatt 240

catgacacca tttgacaaga aggatcttgc g 271

<210> 7081
<211> 421
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189012g11b1

<400> 7081

gttgcttgca gccccaccag ccatacccaa gctcattctt tgtaagatgg gtcttagcaa 60

agttcctggc tttcgatcta cataacctga tccgcaaggg caagcaggac tcgtgtgcta 120

gagcgcacga cggggccaac cacaatgctc tcagtgtcgt aaactatggc tcgcccctac 180

tgcacctcag tgctgctgat actggggatt tgcagattgg tctgcggagg atggtcaaga 240

gtttggacaa tcaaagcttc tctccgagct cagaagtctt gagttcaagc atggccactg 300

tattcctttt gacgccaaat cttgaccggt ttactaccca taggagacgg ggttcagaca 360

gaccccattg attcattatg taaagcaacg gaccaaacga ttcagtgacc tgatcaggat 420

a 421

<210> 7082
<211> 162
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189012h03b1

<400> 7082

ttttattcct gcccaacctc gagaagatga agtgggacat ggtcaattcc ttcatctgtt 60

tctgatgaaa caacatttct cctctctcta gtacgtagca tgcatgctgc tgcctataca 120

aaaccaccgc gtcgacgcat caatctgtgc atgtacccaa aa 162

<210> 7083
<211> 249
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189012h07b1

<400> 7083

tcgataaccg agagcgcaac cgggacagcg gggcaagatc tgctgagcca ctggctacct 60

cacaccggcg accatggccg aggacctcat gggctgctac acccctcgcc gcgccgacga 120

ccagctcgac atccaggagg ccgccaccgc cggcctacgg agcctggagc tcctcgtctc 180

ctccctctcc ggcgcggcgc cgtccaaggc gccgcagcag cacccgcagc agccgttcgg 240

cgagatcgc 249

<210> 7084
<211> 240
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189012h09b1

<400> 7084

tcgatcatcg cgtccgaatc actcgagcaa aaggaaggcc atagtcaaat gttacctgat 60

gttcttcctc cttttggcag gtctcttgcc cgaggcgcgc gcgaattcgt gccaccccgg 120

cgacctccgt gcgctgctgg actttgccgg gagcctcaat ggtcgggatg tcctcctccg 180

tgccacgtgg tccggcgccg catgctgcag ctgggaaggc gtgggttgtg acgccgtcaa 240

<210> 7085
<211> 296
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189012h10b1

<400> 7085

ttgatgtaac gagctagcta gccagcattt gggggggcac attttacata catatcccct 60

tgctgggcta gctaaaccga tctagaggat gtcgttggtg aggttcttcg acacgctggc 120

cctggactcg tggaacccct tcggcagcat cttcggcacc acggcgtcca gcggcaccga 180

cgcctggctg gccagcgaca cgacggcgtt cgccgacacc tacatcgaga gccgggagac 240

ggcggaggcc tacgtgttca gtgccaggct ccccgcgggc gttaccaatg aggagg 296

<210> 7086
<211> 399
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189012h11b1

<400> 7086

tttgttcgat tgcagttcat acatgctgat ttaggcggtc caattgctgt taacagaata 60

ttcgcagaaa atgcatttga tgccgtcatg cacttcgctg ccgtagcgta tgtgggtgag 120

agcacgcttg agcctctgag gtactatcat aacatcactg caaacacttt ggttgtgcta 180

gaagccatgg cgacgcacaa tgttaaaacc ctgatctact ctagcacatg tgccacctac 240

ggggaacccg agaagatgcc tatcactgaa gaaactcccc agtttcctat aaacccatat 300

ggcaaggcca agaaaatggc agaggatatc attttggact tctccaagtc gaggaaatca 360

gacatgtcgg tgatgatcct gagatacttc aacgtcatc 399

<210> 7087
<211> 468
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013a01b1

<400> 7087

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taatcagaat gtcccagaag aaaggaaact gagattcatc cactgggatt ttcataaatt 120

tgcgaaaagc aagtccgcaa atgtgctggg tgttttagga ggtgtggcga gtgaagcact 180

ggaccttact ggattttact acagtgggaa gccaaaagtt cagaaaagaa ggtctatcca 240

gcttagtcga actagcactg caagggatgt tgaaataaga gctagttctg gagaccttcc 300

gagactctct agcaatgctg atgcacttgg ttctatagct tctcaggata tgagaaaaga 360

ggatagcaaa catgagcctc ttggtgatgc tccttgttat caaactggag ttcttcgtac 420

gaattgcata gactgcctgg atcgcacaaa tgtcgcacag tatgctta 468

<210> 7088
<211> 401
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013a02b1

<400> 7088

ttttgtacgc gtgggcggac gcgtgggcgg acgcgtgggt tctcccccaa ttccagatcg 60

agatcccagg gcattacacc accgagctcc acggattccc ggtgccgcgc ccggtgagcg 120

cacgccgttc cagatccgcc ccctgagttg cagggcctga tcgttgggcc cttggagaaa 180

tcactcgagg ttgcgggtct cggatgcggc catgagtttg ccggggaaga aggccgcggc 240

cggggctggg ggaatccggc ggtggctctc caccgccgtg ctgtcggcgc tggcgctggt 300

gctgatcctg gtggtgatct cgctgtcggt gggctcgccc ttgcccgggg cgtcgctccc 360

tgaataccca gctgtcagag ctagtcaccc aaaggggaac g 401

<210> 7089
<211> 396
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013a04b1

<400> 7089

ttgtgagccc tcagacgttg gtccgagctc taagggttgt tgaaatgcaa gagatcatag 60

accaacaagt tgcagaggaa gcagctgagg ctgagggtgc aggcgccatg gcgacaatag 120

caaaccaacg tagaacgaca aaaaaaggtg caggggcagc atctacccca agaaatagca 180

cccaagagaa atcaaagacc cagggaaagg gctacaagga taaatgctat gagtgcatag 240

ggaaggctgt tgaggctcgc ttcgacaaat tgctcactga gcttgttttc tcagaagata 300

tgatggaagc tctggaggaa gctaaggcaa ttggagaaga gcttggcgat atctatgact 360

atgttgcacc atgttttcct cctagatatg aaattt 396

<210> 7090
<211> 429
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013a05b1

<400> 7090

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ctcaaccgga gcttcattaa ggacgtgaag cgcatcatca tcaaggtggg cactgcagtt 180

atcaccagaa atgatggaag actggctttg ggcaggattg gagccctgtg cgagcaggtg 240

aaagatctta atgctcaagg atatgaggtg attatggtca cctcaggcgc tgttggtgtg 300

gggcgacagc ggctcaggta ccggaagctt gtcaatagca gctttgctga tctgcaaaag 360

ccgcagatgg agctggatgg gaaggcatgc gctgctgttg gtcagagtgg tctgatggca 420

ctctatgac 429

<210> 7091
<211> 400
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013a07b1

<400> 7091

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gcggcggggg aagtggcgac cgatcttccg tggccagcgc gcgcgcgctc gctctcgccg 120

gatcgggccg ggaaaatggc gcgcgcggtc tccctgtcgg cgctctgtct cctcctcgcc 180

gccgccgccg ccggagctcg agtggacccg atttattctg gcaaactggt gctggactgg 240

agcaaggaac ccaagtttaa actgcagaat ttctccctga atcgagagga caatcttcag 300

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aagatggaaa cagtacagca ggatgatgaa gccctagtta 400

<210> 7092
<211> 338
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013a08b1

<400> 7092

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ttctatggat ggttttaaga acatgctaca tgagctagct gatgggcgtg aaaacccaga 120

tggtgcagat cagggcttgc ttgctagcta tttgccagac ttgcttgatc agccaatgtt 180

ccatacacca ggtaatggca ccaaacttga tggaaattat cgccttcctc taggctatca 240

gatggatgca tcttattttt atttgaagct ccggtggagt attgcgtgtg gaccgaatag 300

tgtggataca tttccaagtg ctccatggat gaagccat 338

<210> 7093
<211> 404
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013a09b1

<400> 7093

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ttccggcctg agttcttgaa cagattggat gagatgattg tgttccggca gttgacaaag 120

ttggaggtga aagagatcgc tgatattatg ctcaaggagg tgtttgatag gctcaaggca 180

aaggaaatcg acctccaggt aacagagaag ttccgggata gggttgttga tgaaggttac 240

aacccgagct acggtgccag gcctctgcga cgcgccatta tgaggctttt ggaagacagt 300

ctggctgaaa agatgctggc tggcgaggtc aaggaaggtg attctgctat tgttgatgtg 360

gattcggatg gtaaggtggt agttctcaac agcgggggtg gtat 404

<210> 7094
<211> 350
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013a10b1

<400> 7094

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tacgacggta tgtgcggcct cagcccaaca cgggcgacct gcgccacgac gcccctgccg 180

gcgaagaaca ggagcacgtc cccatcatcg acctcggccg gctgctcggt ccgaacggcc 240

tcggctgcgg acggggcgag gaggccacca ggctgcgctc ggcctgcgag gactggggct 300

tcttccagtt ggtgaaccac gggatacccg aggagaccct gggggagatg 350

<210> 7095
<211> 396
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013a11b1

<400> 7095

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cccggggctt gggtcgccga tcacgcatgt ggatgttact tatgacggga agtggatcct 120

gggcaccaca gacacatact tggttttgat ctgcaccatc ttcaaggaca aggatggcaa 180

ggagaagacc gggttcagtg ggcgtatggg aagcaggatc gccgcgccga ggttgctgaa 240

gctcagtccg cttgattcaa tcttggctgg gaatgacaac aaattccatg gtggacaatt 300

ttcatgggta acggagaacg ggaagcaaga aaagcatctc tcgcgacagt cggcaagttc 360

agcctcatat ggaacttcca aaaggtgaag gacagc 396

<210> 7096
<211> 355
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013a12b1

<400> 7096

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ataaattaca tggcccgcca gccacacgca taatcctatt tcacttgcaa aactttcgag 120

tgcatgttgc aaatcgaatg cggctaccgg gggattctct gttgcgccac ttgtgaacgt 180

gaggctgata cccggacacg ccgtagccgc caaacacgac gggctcaaac tcagccgctc 240

acgtccaccc gtgcgccgcc gaatgccgaa cacaaaaccc cacccacccc acgcacgcac 300

cgtgccggcg ttggcgtcgg catccgcatg aagagctcgg cggacaacgt ggaca 355

<210> 7097
<211> 464
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013b01b1

<400> 7097

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gaaggccagg gcggcgttcc tggtgaggtg caaggccaac tctgaggcca ccctcgggac 120

ctacaagggc gacgccaccc ttgccgaggg cgcctcggag agcctccatg tcaaggacta 180

caagtactga tctgcccccc gctggatggt ttgggcattc ctgcttacta cctccgtctg 240

aaaataagtg tctgacactt atttttggac ggagtagtat ctgtttggtt tcatagtctt 300

gatattttta aatatcaatc cttgttttta ataatataag cttctactta tagttaattt 360

ttgacgttga atcccctgta atacatttgc tgagcagaat gtttttgctc taagcggcat 420

tgtatttttt ctgcttacaa tgaaatgaaa tggtgaaccc cccc 464

<210> 7098
<211> 410
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013b02b1

<400> 7098

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atctggatgg gaaagaagca agagtctgtt gaggatgttc cctgtggtaa caccgttgct 120

ttggttggtt tggatcagtt catcaccaag aatgcaaccc tgacaaacga gaaggaagtt 180

gatgcctgcc caatcagggc aatgaagttc tctgtgtccc ctgttgtacg tgttgctgtt 240

cagtgcaagg tggcttctga tcttcctaag cttgttgagg gtttgaagcg tctggccaag 300

tctgatccta tggttctctg taccattgaa gagtctggtg agcatatcat cgctggagcc 360

ggagagcttc atcttgaaat ctgcttgaag gatctgcagg atgacttcat 410

<210> 7099
<211> 336
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013b03b1

<400> 7099

tgtataagaa gaagaagaag aagaagaagg agagagagag ttagagagag tgtgagagag 60

agagagagag agagagagag aaggaaggaa gaagatggcg gacgagggga ccgccaactg 120

catcgacatc atcctcgcca tcatcctgcc gccgctcggc gtcttcttca agttcgcctg 180

cgggatcgag ttctggatct gcttgctgct caccttcttc ggctacctcc ccggcatcat 240

ctacgccgtc tgggtcatca ccaagtagga ctgcatgcag gaggggctcc tctgcctctg 300

ccgctaggtg atccatggcg aacttgttct gtgtct 336

<210> 7100
<211> 370
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013b04b1

<400> 7100

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ccctcctcct cgcagtggag tcgtggcggc gtgccggttg gcggtggatg cgggcttcgt 180

gcccggatcc ggcggggcgc aggccgtcgg cgggatgcgg cggcgctggc cgtcctgggc 240

cccgcgggcg gcagggcgga cgcgcgtggt ggtgggccgg tggctcgggg cggccgtggg 300

tggatctgga gctgcagctt ccggcctccc tagcttggcg gagctgtttg gcagagccgg 360

ccctctggga 370

<210> 7101
<211> 386
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013b05b1

<400> 7101

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ccaaccccga tcagcctcag cagcgatggc ccccaaggcg gagaagaagc cggcggcgaa 120

gaagcccgcg gaggaggagc cgacgacgga gaaggccgag aaggccccgg cggcgaagaa 180

gcccaaggcc gagaagcggc tgccggcggg caagaccgcc tccaaggagg gcggcgagaa 240

gaggggccgc aagaagggca agaagagcgt cgagacctac aagatataca tcttcaaggt 300

tctcaagcag gtccaccccg acatcggcat ctcctccaag gccatgtcca tcatgaactc 360

cttcatcaac gacatcttcg agaagc 386

<210> 7102
<211> 422
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013b06b1

<400> 7102

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gccctctcca gggcccagat tgactctgtt cttgatcttg cacggtgcac cattgtgtcc 120

gagctctcca acaaggactt cgactcctat gtgctatctg agtcgagcct gttcatctac 180

tctcagaaga ttgtgatcaa gacctgtggg actaccatgc tcctgctcac cattcctagg 240

attcttgagc ttgctgaaga gctgtgcatg ccgcttgctg ccgtgaagta ctctcgtggg 300

atgttcatct tccccggcgc acagcctgct ccccacagga gcttctctga ggaggttgat 360

gtcctgaacc gctacttcgg ccacctgaag tctggcggca atgcttatgt gatcggagac 420

cc 422

<210> 7103

<211> 321
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013b07b1

<400> 7103

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tcctgctgct cgcctcggcc gccatctcgc tcctcctcct ccgcctctgc ctcgccgcgc 180

tccgccgcgc ccccgcgccc gcccctacg ccgccgtcga cccggaggcc gccgcgcggg 240

cggcgccacc gccagtgccg cagcaggaac ccaaggcgcc ggagccccgg cggctggcgt 300

ggcgggaggt ggaggcgctg a 321

<210> 7104
<211> 425
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013b08b1

<400> 7104

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tagccagcat gcttgttttg ccgatgcggc caagatgccc ctgacaaaca tgcagacact 120

cacggcgtat tgggaggccg cgcttccagg aattcccatt cccccggcta tcagtgacct 180

gttagcccaa caaaaagggc agcaaaaaat tggaccgaac tatgaaatag tcaactcaga 240

gggtggtcac ggggacaacc atgttcatat catatcacag gttaaagatg atttaaaaga 300

ggcatatggg tctcatggtg aagaaagtag aaagaatgtc atgatggcac ttgagccaaa 360

aattggtaag gatctgaagg gacaaccatt gtcacatggg ttacaagcta aaaattatgt 420

agaag 425

<210> 7105
<211> 390
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013b09b1

<400> 7105

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gatgttgtct ctgaggctga tatctttgtg accaccaccg gaaacaagga catcatcatg 120

gttgaccaca tgaggaagat gaagaacaac gccattgtct gcaacattgg tcactttgac 180

aacgagattg acatgaacgg ccttgagacc taccctggtg tcaagcgcat caccatcaag 240

ccccagactg accgctgggt cttccccgag accaagaccg gcatcattgt tcttgctgag 300

ggtcgtctga tgaaccttgg atgtgccact ggccacccca gctttgtcat gtcctgctca 360

ttcactaacc aggttattgc tcagcttgag 390

<210> 7106
<211> 377
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013b10b1

<400> 7106

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tcctcccgcc tgaaccccca ttaactgctc ggcaccggag aagagatccc ccgtcctctg 120

acgccagcgg ccatgtccgt cacgcgggtt cttgcgctgc tggcggcggc ggcgctggtg 180

gtcgccgcgc cggcgcgcgt gggcgcggcg ggggcgtgcg cggcggagag gttctccaag 240

aaccgcgtgt acgcggcctg caccgacctg cccaccctgg gcgcgtccgt gcactggacc 300

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ggctgggtcg cctgggg 377

<210> 7107
<211> 418
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013b11b1

<400> 7107

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gacgaacgcc atggtgaagg cgaagctcct cgctgtgctg gccctcgtgg ccgtcgccgc 180

gccgttcctc cgcgccgccg gccaggagga gggtgagggc ggggcgaggc cgtcagagct 240

gctgccgttc gcggtgggcg cggcgccggc ggggtgcgac gtcgggcagg gcgagtgggt 300

gtacgacgag gcggcggcgc cggcgtacga tgaggaggcg tgcccctaca tcccggcgga 360

gctgacgtgc caggcgcacg gccgccccga caagtcgtac caacactggc ggtggcag 418

<210> 7108
<211> 424
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013b12b1

<400> 7108

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agctgcaagt ggcatggaag aaggcgaggc cggccccgac gacgccggag gaagccggcc 120

gcctcgtggt gctgacgctc aagaaccacc agaaggcgga cgtcgacggc ctcctcgcct 180

tctacggcct cccgcacccg aacgaggcgg gatcggcgcc accgccggcc gccggtcacc 240

acgctcctcc ggcccagcac agcgcccccg cgcacaagcc ccagggcgtc aagttcgagc 300

tgcacacgct cccggtggac gccaaggcgg tggccgacgg cgacacggtg acggtgtacg 360

tggacacgaa tgacgccccc agcgagatca agaaggccgc ggcggagcgc accaaggcgc 420

gcgc 424

<210> 7109
<211> 327
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013c01b1

<400> 7109

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tggccgccca tgaccatatg gggatcggca cggttgtacg ggaatgccgt gggctgttca 180

atggtctgga gtcactcacc gactgctgtg gtggtgatgg gacgaccgca agggccatcg 240

tcaaggcctt cccgcatatc aagtgcaatg tgttggacct tccaaaggtg atcgagaaag 300

tcccaagtga tggtgttgtt aactatg 327

<210> 7110
<211> 424
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013c03b1

<400> 7110

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tggctccctg ccaaggccac atggtacggc gcgcctaccg gcgccggtcc cgatgacaac 240

ggtggtgctt gcggctacaa gcacactaac cagtacccgt tcatgtccat gacttcctgc 300

ggcaacgagc ccctgttcaa ggacggcatg ggctgcggcg cctgctacca gatacgatgc 360

gtcaataaca aggcctgctc cggcaagccg gagacggtca tgatcaccga catgaactac 420

tacc 424

<210> 7111
<211> 415
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013c04b1

<400> 7111

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ccagcctctt ccagatcgac gacggagagg cccaggatca ggatcaggcg gggacgccaa 180

caatggcgac cgccggggag ctcgtcgggc tccggctgat catacagccc tcgccgaggc 240

gacaacaacg gccggcgctg gccgtcctca ggaggtcttc ggtgaggtcc ccggctgccg 300

acctccagga gaacagcggc tgccggccgt tcgtgggcct tgagttcttg aagtgctgcc 360

tctgctgctg caagaagatc gacggcgaca tggacgtctt cgtgtacaag ggaga 415

<210> 7112
<211> 410
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013c05b1

<400> 7112

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ccgtcctcct cgccgacagc ttcacgctca agttccgccc catcaccctc gagcgcccca 180

aggtgcttct gccgctggtg aacgtgccca tgatcgacta cacgctgtcc tggttggaga 240

ccgagggcgt tgaggaggtc ttcgtcttct gctgtgcgca cgcgcagcag gtcaaggagc 300

acctggagga ggcgggctgg actgggaagc ccgcggcccg ggagatggcc gtcatggccg 360

tcgagtcgca tgatgcgatc agcgcaggcg acgctctccg cgtcatgtat 410

<210> 7113
<211> 387
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013c06b1

<400> 7113

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tgggcatcaa caagggccac gtcgtcacca agcgcgagct gccgccgcgc ccgtccgacc 120

gcaaggggaa aggtaccaag agggtgcatt tcgtcaggaa cttgatccgg gaggtcgctg 180

ggtttgctcc gtatgagaag cgtatcactg agcttctcaa ggttggcaag gacaagcgtg 240

ccctgaaggt ggcgaagcga aagttgggta cccacaagag ggcgaagaag aagagagagg 300

agatgtccag tgtcctcagg aagatgagat ctgctggaac tggaacagac aagaagaaat 360

agagcatccc aggctcatga agttgat 387

<210> 7114
<211> 386
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013c07b1

<400> 7114

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cgctcagcct caagggcgtc ggctacgagt atgtcgaaga ggacctcaag agcaagagcg 180

agctgctcct caagtccaac cccgtgctcc agaaggtgcc ggtgctgatc cacgacggca 240

agcccatctg cgagtcgtcg gtcatcctgc aatacatcga cgaggctttc gccggcgtcg 300

gctcctcgct cctcccggag gaaccccacg gccgcgccgt tgctcgcttc tgggcccgtt 360

acatcgacgg cacgctcgtg aaagca 386

<210> 7115
<211> 407
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013c08b1

<400> 7115

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gatctcgact cctctagggg tcgtcctcgt gcactccgcc gccgccagat cgaggtcgga 120

gctgggcttt ggagcagcca tgggttcaga cctcagagat gtatgtgttg ttggggttgc 180

acgcaccct atgggtagtt tccttggtgg cttgtcttcc ttgcctgcta cgaaacttgg 240

ctctatagca attgaagctg ctctgaaaag ggcaaatgtc gatccatccc ttgtgcagga 300

ggtcttcttt ggcaatgtct tgagtgctaa cttggggcaa gcccctgcaa gacaagctgc 360

tttaggtgca ggaataccaa atacggttgt ttgcaccaca gtcaaca 407

<210> 7116
<211> 427
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013c09b1

<400> 7116

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cttgtttcga tctagcccgt gaagtccaca tagctagttt tcatgtagcc cagaagcgtg 120

ctggttcacg ttaagtaaag tttttctcct gtgttgtcaa gacgtgtggc aggttgtgcg 180

gtgacgagta aaaatatttc attatatgcg aatactatga agaccagcgc ggcctgtgcg 240

acagaaattt ccttgttgat gataggcgct tcagcatcaa gctggatgag accatcgaag 300

tggatacagt aagtcacaac gacaaatctt ttttcgtaat taagcatgac ttatatatgc 360

ttcatttgct tcaacttata attttaaatt ttcactattc tactagcgca tcctctgcca 420

tgcaaga 427

<210> 7117
<211> 325
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013c11b1

<400> 7117

attgtccacg cgtccgccca cgcgtccggg ccctcggcgt ggaggtttct ccctcggccg 60

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aagccatcca tggctctccg ccgcgccatc gggtccctcg ccgtccgctc gcaggcatca 180

tactgcctcc gccgcgccgc cgcctcgccc cccaccctca cgcctcctgc gcccccgcct 240

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gtcaagaagg tggccaagca cgacg 325

<210> 7118
<211> 403
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013c12b1

<400> 7118

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gaatattgtt ggacgaactg acaaagtttt tggatgattc tccgaaccac gacgtagttt 180

ttccagagaa ttctggtctc cctccaatgt ctgggcttga ggctcaagct tttgagataa 240

atactgctga gctctatgac caattggcag gacttaccca gtcaggagat atgtctgctg 300

taaatttccc tgctagcaat ggcgatgtta ttgaaaacaa tttgcagcaa acaaactctg 360

gacttgctat ggatgatgat tatatcaggg ctggatgatc tgc 403

<210> 7119
<211> 337
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013d01b1

<400> 7119

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atatgggata aggaaacatg gaccttgatt gaaaatgttt ttgaggatag tgctggaagt 180

aaaatcatca ccacgactcg taaccgcaaa tttgccgaag aatttggtgg catctacgag 240

atgaaaccac tatgcacaga tgactccaga aagttactcc gcaccaaagc taaagttaaa 300

ggccatgata ctgaatttga tatattgtca gataaaa 337

<210> 7120
<211> 369
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013d02b1

<400> 7120

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ttgtgtggct ccctgctctt tgcaggaaaa tggaggtccc ttactgcatt gtcaagggaa 240

aatctcgcct tggatcgatt gttcacaaga agactgcctc tgttctgtgc ctgaccacag 300

tgaagaatga ggataagctt gagttcagca agatccttga ggctattaag gcgaacttca 360

acgacaaat 369

<210> 7121

<211> 394
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013d03b1

<400> 7121

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gtcgactctg gcaagtcgac aaccactggc catctgatct acaagcttgg aggtattgac 180

aagcgtgtga tcgagaggtt tgagaaggaa gccgctgaga tgaacaagag gtctttcaag 240

tacgcctggg tgcttgacaa gctgaaggcc gagcgtgaga ggggtatcac cattgatatt 300

gccctgtgga agttcgagac caccaagtac tactgcaccg acattgatgc ccctggtcac 360

cgtgacttca tcaagaacat gattactggt acct 394

<210> 7122
<211> 368
<212> DNA
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<223> Clone ID: uC-tsrow189013d04b1

<400> 7122

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cgacctcatc atcgacgtgg ccaacgagga cctcgcctcc ctcgcctccg accgcgccgc 180

cgccaccgcc tgggtccaga ccaacgtgca ggcccaccag ggcctcaaca tcaagtacat 240

cgccgccggc aacgaggtgg gcgaccaggg cggcgacacg gggaacatcc tcccggccat 300

gcagaacctc gacgccgcac tctccgcggc cgggctaggc ggcatcaagg tgtccacgtc 360

ggtgtcgc 368

<210> 7123
<211> 407
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013d05b1

<400> 7123

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gtgcgggagg tcctcccccg accggatggc cctgcgcatg gccccgtgca tctcggcggc 180

ggacgagccg gactcggcgc cctccagcag ctgctgctcg gcggtgcaca ccctagggaa 240

gagccccagc tgcctgtgcg ccgtcatgct gtccggcacc gccaagatgg ccgggatcaa 300

gcccgaggtg gccatcacca tccccaagcg ctgcaacatg gccgaccgcc ccgtcggcta 360

caagtgcgga gattacacgc tgccttgatg gcccagctct ggtgctg 407

<210> 7124
<211> 145
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013d08b1

<400> 7124

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caagaagctc cgtcgtcgtc gctaggaaca atcgatggct gctgcggctg ctggtggtgg 120

tgctggtggt ggtgttgcgg gggtg 145

<210> 7125
<211> 354
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013d09b1

<400> 7125

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cgatgcgcgc gatccgtgcc gggcgactca cacagggcgg cagagatgac caggaagcgg 180

cgagttgctc ggaagtgaag cgctaaaagg agggctcgaa agcaggggag actcggagac 240

gagcactttg aaacaggtgg ctcaaagaac tgtcgtgggc tcgtggcatg gttgctgcgg 300

atataaggca gcggaaataa cccggccgca ggtggtggtg ccaggggagg agag 354

<210> 7126
<211> 458
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013d11b1

<400> 7126

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gaatattgtt ggacgaactg acaaagtttt tggatgattc tccgaaccac gacgtagttt 180

ttccagagaa ttctggtctc cctccaatgt ctgggcttga ggctcaagct tttgagataa 240

atactgctga gctctatgac caattggcag gacttaccca gtcaggagat atgtctgctg 300

taaatttccc tgctagcaat ggcgatgtta ttgaaaacaa tttgcagcaa acaaactctg 360

gacttgctat ggatgatgat tatatagggc tggatgatct gcttgctcct ggggaaacct 420

tctcctatga tttttctggt gaaacctttt tctatgat 458

<210> 7127
<211> 388
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013d12b1

<400> 7127

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gttatctgtg atcttccaga agttgctaaa cataatctac atttacactg cactaaccaa 180

aaattgatta tttttgccga aatcgaatca accaatgagt acaatcccat cacaaaccgc 240

attcgcgaaa gaagacacaa aagatatcgc agaagagtcc gtcttccttc ccaagttgac 300

gaaacgaaaa ttgatgcaaa attggaaggt ggggttttga aggttgtttt gccaaaaact 360

aaggaacatc agggtgaaaa taaacaaa 388

<210> 7128
<211> 357
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013e01b1

<400> 7128

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gatgtcgggc cgcggcaagg gagggaaggg gctgggcaag ggcggcgcca agcgccaccg 120

gaaggtgctc cgggacaaca tccagggcat caccaagccg gccatccggc ggctggcccg 180

ccgtggcggc gtgaagcgca tctcggggct catctacgag gagacccgcg gcgtgctcaa 240

gatcttcctc gagaacgtca tccgcgacgc cgtcacctac accgagcacg cccgccgcaa 300

gaccgtcacc gccatggacg tcgtctacgc gctcaagcgc cagggacgca ccctcta 357

<210> 7129
<211> 395
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013e02b1

<400> 7129

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ggagaaatgg ctgctcaata ttcatgccat cgacacgagg ggcgtggccg acaagcctag 180

ctgcaccgag tgcaagtgcg acttctacaa tgtcacaatt gatgagtatg ggcgcacagt 240

ctcgaagaac tacactggtg ggttgctttg ctgctatgat cagacccagt gtcggctcaa 300

agcagggttc aacgccgagg tgcggaaggt gttcttgcag tacaccgtga cttggctcga 360

ctggactgat gcggtggtgc ctgtcaagat ctaca 395

<210> 7130
<211> 380
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013e03b1

<400> 7130

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ccggtagtcc ctaccccgcc gatccgctca ccgccaatcg tgccaccgac cggcgggggc 180

agctgcccga tcaacacgct gaagctgggt gtgtgcgcca atgtgttgaa cctgctgaag 240

ctcaagatcg gcgtgccggc gaacgaggag tgttgcccgc tcctgggcgg gctcgccgac 300

ctcgacgccg cggtgtgcct ctgcaccgcc atcagggcca acattctcgg catcaagctc 360

aacgtgccca tcgacctgac 380

<210> 7131
<211> 408
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013e04b1

<400> 7131

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gtggcgccca tggtggacaa ctcggagcta cccttccgca tgctgtgccg ccgctacggc 120

gccgacgccg cctacacgcc catgctccac tcccgcatct tctccgagaa cgagaagcac 180

agggacatgg agttcactac ctgcaaggag gaccgcccac tttttgttca gttttgtgca 240

aatgatcctg acattttgtt acaagctgca aagctggttg aagcacactg cgactatgtt 300

gatttgaatt ttggatgtcc acagcgcatt gctaaacggg gatactatgg ggcatttctc 360

atggacaacc ttccactcgt taaatcgctt gtgcaaaatc tgtcagag 408

<210> 7132
<211> 429
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013e05b1

<400> 7132

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ggcttcttcg gcagcgcggc gaccatgaac atgtgctcca agtgccacaa ggagatggcg 180

atgaagcagg agcaggcaaa gctggccgcc tcctctttcg acagcatcgt caacggtggc 240

gatgccgcga aagaacatct tgctgctggc agcacggcgg tggcagttgc tcacgttgag 300

gcgaagacgc ttattaccgc acagcctgct gatatcgctg gtccaagcga gggggcgatg 360

gagaacccca aaggcccaag ccggtgcagc acctgcagaa agagggtcgg gctgaccgga 420

ttcaactgc 429

<210> 7133
<211> 377
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013e09b1

<400> 7133

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ttacaactgc tatgattatt ttggcatcag ttatatcttc aactgtgtcc aatgttttgt 120

taggggagaa ggcagctttt attgtcccga cagcttccac tctatcttat tctaggcatg 180

ctttgtgggg tagtgagtgt ggtattcagg caactggttg tttggttcac aaagactttc 240

gacttgataa ggaaaaaatt tggtctccct gctgtagtat gtccggcttt aggtggtctt 300

ggagcaggtt taatagctct aagataccct ggaatactgt attggggttt caccaatgta 360

gatgaaattc tacatac 377

<210> 7134
<211> 446
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013e10b1

<400> 7134

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acccgccgac gacgcgatga ttcccaacct ctccgccctc gagaaccact tcggcgccgc 120

cgccgccggc agcgacgacc tcggcggcct cttctccgcc gacgccgctg gccagctcgc 180

cctcgagttc cccacctgca acgacttcga tgggttccag aaggcgacca aggagatggt 240

gaacaacaag aaggggacca ccacgctctc cttcatcttc gacaagggcg tcatcgtcgc 300

cgccgactcc cgggccagca tgggcggcta catatcctcg caaactgtga ggaaaatcat 360

cgagattaat ccctacatgc tgggaaccat ggctggaggt gctgctgatt gtcagttttg 420

gcatagaaac ttgggggtca agtgcc 446

<210> 7135
<211> 444
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013e11b1

<400> 7135

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caaagtctaa tgtaatacag tgcaccatac ccaacctcca tgccagcctt attatttgca 120

tctatgtaat gaataagttg cagtatttat ttatctcaag ggaaaatggc attgcaaaga 180

tttttgctac cttctctctt gatctcagaa gtaccatgta gtattgggca gcttcaaagc 240

tacaaagttt tagtatattt gtgccacaga atatcgaaag ccatacagtt ttggtctgtg 300

tagtctcata aagagatcca tttacgtgtt caatgcctaa cacattccgt cttgtttgaa 360

tgtttgtact attcttataa cccaatgaaa gttgcatttt tcccatcatg tcagctagaa 420

gggaaaattt attggtagtt tgaa 444

<210> 7136
<211> 429
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013e12b1

<400> 7136

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tgttgagctg ttcaaagctt gttacaacaa gcatggggat tccaagatag ggatggcctt 180

tgatgtaatg ggttacgagc cattccaaga ctccttcctc gacgaccagg cccgggaaag 240

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ctccatgaga tcgctgatcg gagatcgtct acccaagttc actaaggagg agcaagagaa 360

gctagcgtcc tcatgtgaca tcatggggct taactattac acctccagat tctccaagca 420

tattgatat 429

<210> 7137
<211> 343
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013f02b1

<400> 7137

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tcgaggcgcc gcccaagccc gcggaggcgg atccctcccc cgccgcgtcc aacgggtccg 120

cggcagccgc acccgccgct gccgctcccg ctgctccggt cgccgcggcc aaggccgagg 180

cggtggcgtc gcccaagttc caggactcga ggtgggtcaa cgggacctgg gacctcagcc 240

ggttcggcaa caccggcggc gccgtcgact gggacgccgt catagacgcc gaggccagga 300

ggaggaaatg gctggaagat tccccggagg caagtagcag cga 343

<210> 7138
<211> 216
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013f03b1

<400> 7138

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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa taaaccgggg 120

ggccgccctt ttggaggccc ctttttttcc ccccccctgcc tgcatcttat ttttttttt 180

ttggggcccc cttaatttaa tttgctggcc gttttt 216

<210> 7139
<211> 380
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013f04b1

<400> 7139

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aacgagtatc aaattcaatc ttcaacatcc gtgaacatcc ggtgattctt actcctacca 120

ggctacatat tctaccaaaa ccatggaatc ccatctcaaa tcccagtttc cttcatatgt 180

cacttgaaca gcaccatgta tgatattgca agaaaacctt gtgcgggaca tgctctagga 240

gcagacagga aacttatctc gaaagttgct acatcagtcg atcttcacag aagcatagat 300

cttcctcaca aaccagaagc aagcatagaa gccaatggtg ccggtcagga cgaagaaggc 360

ataagaaatg atcagcatgt 380

<210> 7140
<211> 372
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013f05b1

<400> 7140

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acccccaaa acctccccgc atctcgcgcc tctccgccgc cgccgccgcc gccgaggaca 120

ccgagcttct cccccgcccg atcgccatgg ccgccccgac ggccttcgcc gccgccaggt 180

tcctcccctc cgcccacctc gactcctccg cgcgactcgc cccgctcgcc gcgattcgcc 240

ccagcctttg gagggaagac cggtcctgcc tagagtggct tcgtggcagg gagccccgtt 300

ctgtggtgta cgtcaacttc gggagcatca ctaccatgac cggccaagag ctggtggagt 360

tcgcttgggg gt 372

<210> 7141
<211> 423
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013f06b1

<400> 7141

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cggcggcgca cggtgatgaa cctgcggtcg ctgtcgctgg aggacctgtc gcggacgctg 240

gccaccacca gcctgcacgc cttcaccctg gacgagctca agtccgtgac caagaacttc 300

tccaccgcca acttcctcgg cgagggcggc ttcggccccg tctacaaggg ctgcgtcggc 360

ggcgccctcc gccccggcct cgccgcgcag caggtcgccg tcaagtacct ggacctcgac 420

agc 423

<210> 7142
<211> 304
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013f07b1

<400> 7142

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ggttaagcaa aagattgtcc tcaagttagc tctggacgac gagaggaaga ggaggaaggc 180

cttcaaggcc gccgttggca tgtcgggcgt gacatccgca acgatggagg gggacaagat 240

catcatcgtc ggggacggcg tcgacccgat cacgctgacc acgatgctcc ggcgcagcct 300

gggc 304

<210> 7143
<211> 373
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013f08b1

<400> 7143

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cgggtaccgg tggaggaagt acgggcagaa ggtggtgaag ggcaacccga acccgcggag 180

ctattacaag tgcaccacgg tggggtgccc cgtgcggaag cacgtggagc gcgcgtccca 240

cgacctgcgc gcggtgatca ccacgtacga gggcaagcac aaccacgacg tgccggtcgc 300

caggggagc gccgtgctct actcgcccgc gccacgggcg gcggacagca ccgggagcac 360

cggccactac ctg 373

<210> 7144
<211> 383
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013f09b1

<400> 7144

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tttcggatca tgtgtatccg aacacaacac agccaagtat aatggagagc caacaaggaa 180

acgctcaagc acaacatctt tcccattttt caagcttgct ggcacagcaa gctaacactc 240

tgcaaagcaa cttcttgggg tcaaatctta cccagcaccg ggattttgac ttttcaccat 300

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tctccatgca ggagaattta aac 383

<210> 7145
<211> 360
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013f10b1

<400> 7145

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tgtccgaact aagccccaat cccgtcacca ccgccgctgg tgctcggcgc gatggcgcag 120

aaggacgccg ccaatggcaa cggcgccacc acgcgcccgc cgcccactcc ctcccccatc 180

cgcttctcca agttcttcca ggccaacatg cggatcctgg gcaccggcgg agctggcttc 240

atcggctcgc acctcgtcga caagctcatg gagaacgaga agaacgaggg cattgttgct 300

gacaactttt tcactggggc aaaagacaac ctgaagaagt ggatcggaca cccaagattt 360

<210> 7146
<211> 416
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013f11b1

<400> 7146

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cgggtactgc aacgagcagg cggagatgat acttgtgtac gagtacatgc agagaggctc 120

gctgcgacaa cacctgtacg gctccggcga gccggcactg ccggcactgt cgtggaagca 180

gcggctggag atctgcatcg gggtggcgat gggcgtgcac tacctgcacg caggctgctc 240

ggagaacatc atccaccgcg acatcaagtc gaccaacatc ctcctgggcg acagcaaccg 300

cggcatgata gccaaggtag ccgacttcgg gctgtcgctc accgggccgt cgttcgggca 360

cacgcacgtg agcacgattg tgaaggggag cttcgggtac ctggacccgg agtact 416

<210> 7147
<211> 429
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013f12b1

<400> 7147

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gcggaggcga ccaccccacc gccgccaaga tgcagatctt cgtgaagacc ctgacgggca 120

agaccatcac gctggaggtg gagtcctcgg acaccatcga caacgtgaag gccaagatcc 180

aggacaagga ggggatcccg ccggaccagc agcgcctcat cttcgccggc aagcagctcg 240

aggacggccg caccctcgcc gactacaaca tccagaagga gtccaccctt cacctggtgc 300

tccgcctccg tggtggcgcc aagaagcgca agaagaagac gtacaccaag cccaagaagc 360

aaaagcacaa gcacaagaag gtgaagctcg ccgtcctcca gttctacaag gtcgacgacg 420

ccaccggca 429

<210> 7148
<211> 353
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013g01b1

<400> 7148

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gagaaagaca aggacggcga cgagcaggac ggccaggacg agagcatctg cccgctggac 180

tggcagctga acggcgccat cctggacgac gagatcaacg aggccatcgt tcgcccgctc 240

gtgcagggcg tcaggctcca cgccatcatt gacgcctgcc gcagcggcac cgtccttgat 300

ctccccaacc tctgccagat caaaaagaac gggaaacccc tgtggattga tca 353

<210> 7149
<211> 339
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013g02b1

<400> 7149

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agaaggaggc ggcgagggcg agcagggagc ggaagagatg gagaacggcg gcagcaaagg 120

cgacgtcccg gaggacgcca acgcccattg ccctggaacg cagtcggagg aggcagggaa 180

ggccgattcc tgcgccgggt gcccgaacca gcagatttgc gccaccgccc ccaagggccc 240

cgatcctgac ttggttgcta ttgctgagcg gatggctact gtgaaacaca agatactggt 300

tttgtcagga aagggaggtg ttggaaagag cacattttc 339

<210> 7150
<211> 354
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013g03b1

<400> 7150

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ttcatcgtcg tcagcaccgt ctccctgctc ttcgaccgcg gccacgagtc gcaggtgcag 120

ctggcggtgc agcaccggca ccaggaggtg aaggtggccg cggccgggag ccgcgaggcg 180

caggtgcagt ggacggacga gctcatgggc gaggccgcga ggggctccgg cgaggagtgc 240

aactggtccg tggggcggtg ggtgtacgac aacgcctccc agccgctcta ctccggcctc 300

aactgctcct tcatcttcga cgaggtcgcc tgcgagaagt atggccggaa tgac 354

<210> 7151
<211> 407
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013g04b1

<400> 7151

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gagccatact gtgccgattt atgagggata tgcacttcct catgctattc tccggctgga 180

tcttgcgggc cgtgatctga ccgactccct gatgaagatc ctcacggaga ggggctattc 240

cttcaccaca actgctgagc gggaaatcgt aagagatata aaggagaagc tcgcctacgt 300

cgcccttgac tacgagcagg agctggagac cgccaagagc agctcgtccg tcgagaagag 360

ctacgaactg cctgacgggc aggtcatcac gatcggcgcc gagaggt 407

<210> 7152
<211> 389
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013g05b1

<400> 7152

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cggccccgtg gcatgggaca acaacgtggc caggtttgcg caggactggg cggcgcagcg 180

cgccggcgat tgccggctgc agcactccgg cgggccgttc ggcgagaaca tcttctgggg 240

ttccgggcag tcgtggacgg ccgccgacgc ggtgaagctg tgggtggacg agaagcagaa 300

ctaccatctt gacagcaaca cctgcgacgc cggcaaggtg tgcgggcact acacgcaggt 360

ggtgtggcgc aggtcgaccc gcatcggct 389

<210> 7153
<211> 357
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013g06b1

<400> 7153

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ggaagccagg aacggcaaag caggcggcgc ggcggcggct ccatcgtgac gacaagaaat 120

ggccaccgcc ctccgccctc cccggctccc agttccagag caagcctctt cacttcatcg 180

cctaccaaag tacagagttg ccgtcactgg gcgtaggagc ttcgccgcca gggccggctc 240

gtatccaggc aacgtgggcg tcccgaagca atggtacaac ctcatcgccg acctgccggt 300

gaagccgccg ccgatgctgc acccggggac gcaccagccg ctgaacccca gcgacct 357

<210> 7154
<211> 381
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013g07b1

<400> 7154

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ccgagggctc gaccgcgccg atttcccgcc ggtgttcctc ttcggcgtcg cgacgtctgc 180

ttaccagatc gagggcgcgt acctggagga cggcaagggc ctcagcaact gggatgtgtt 240

cacccacaca cctagaagaa ttaaggatgg acggaatggg gacatagcgg atgatcacta 300

ccatcgttac atggaggacg tggagattat acatagtttg ggggtcgact cctacaggtt 360

ctcaatctca tgggcgagaa t 381

<210> 7155
<211> 339
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013g08b1

<400> 7155

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ccgtccgtgg tcaccgcgtc acaccatgac atactaacat ctgtttttgg gagcaaggat 180

gaagccttga ggtccatagt ttacagttac aagcatggat tttctgggtt cgcagcgatg 240

ctcaccaagt ctcaagctga cgcaattgca aaatttcccg aagttgtcac tgtgaagcct 300

aacacttttc atgaaacaca cacaactcgg agctgggac 339

<210> 7156
<211> 335
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013g10b1

<400> 7156

actgtccacg cgtccggctg cgactcccgc tcgccgccgt cggccaccgg cgacgagcct 60

ccgtctccgc ctcctctcgc ctagcatcct ctcccaaacc ccaagctagg agccctccgc 120

cgctctcccc tcccaaaccc ctcctcgcac ccgcccagat ccaagcgccc atcttccccc 180

acgccgccgc cgccgccgcc gccgggccga ccaagagggg gagcgatggc tccctattaa 240

tctccatttc cccttcctcc atcccctccg ccgctctccc ctcccaaacc cctcctcgca 300

cccgcccaga tccaagctcc catcttcccc tacgc 335

<210> 7157
<211> 411
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013g11b1

<400> 7157

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gccaccacct cgcccaaaga atccccaccc ccgccgaccc cctcccctcc cctccccggc 120

cgaagacaga tccggcgacc gacaagccat ggtgtccaac ggggagctgt cgcagccgca 180

ggcgggggag tacggcctcg ccgtgatgcg ccgccggccc aagaccaaga tcgtctgcac 240

gctcggcccg gcctcgcgct ccgtcgacat gatcgaaaag ctgctgcgcg ccggcatgtg 300

cgtcgcccgc ttcaacttct cccacggctc ccacgactac caccaggaga cgctcgacaa 360

cctgcacgcc gtcatggagc gcaccgggat cctctgcgcc gtcatgctcg a 411

<210> 7158
<211> 250
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013h01b1

<400> 7158

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ggcggtggcg ccggcagcta cggactatcc tccaccgagg acgcgcagag cgttgccacc 180

tacctgtggg acaacttcct cgggggcagc gcgtcgcacc gcccgctcgg cgacgccgcc 240

ctggacggca 250

<210> 7159
<211> 363
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013h02b1

<400> 7159

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gtatcgccgc cgatacggcc aattatgtgg tggaacgtgt tggcagcttc acgctgtaca 120

acccgaagtc gacgcgtcgt tggggcggcg gttccaccaa tctgtgcggc ggatcgcgcg 180

cgattcagtc caaagcgccg agcggtttgg gtttctaccg cgaagtcgac ttcaccgctc 240

cggccggtta cgtcgagttc cgcggctaag cgttgcgctg aacagtgctc aacaactgcc 300

gcagccgaag gcaaatccca gagcgccaac ggccaaaccg ccggcgcagt aaacagcggc 360

gaa 363

<210> 7160
<211> 377
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013h03b1

<400> 7160

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ctcgtcgagc gcgcgttttc caggagcttc aggtgccggc ggcgccatgg cttcggagac 120

cgagaccttc gccttccagg ccgagatcaa ccagctgctc tcgctcatca tcaacacctt 180

ctactccaac aaggagatct tcctccgcga gctcatctcc aacgcctccg atgcgttgga 240

taagatcagg tttgagagcc tgactgacaa gagcaagctg gatgctcagc cagagctgtt 300

tatccatatt atccctgaca aggccacgaa cacactcact cttatcgaca gtggtattgg 360

tatgacaaag tcagacc 377

<210> 7161
<211> 328
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013h04b1

<400> 7161

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aacggacggg ctttacgttt tcttgttccc actttttggt ttgttccaac caaccaggct 120

atgttcaagc tcttttagcg acaggtttgg agtttgcttc gggttaatta gatcatggaa 180

accttggttg ttgaccttct agctatgtac gtgtctcgat cgatctgggg gtagtagcta 240

gctagcttgt tgcgcaagaa ctgatacatg catgcatgca cagatgggca tgagtttgct 300

ggcatgatgg ctggcaagct atatggtg 328

<210> 7162
<211> 426
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013h05b1

<400> 7162

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gcttgcttcc aaacgcgacc tcatcagagc aagacccgga ggaaacaagg agaggccaga 120

gcggcctgtc acaaggcaaa ggacagagga ggtgcttgtt caggtctcct gctagatccg 180

gaggcgatgg gcaggggcgt gctggaggtg catctcgtcg acgccaaggg cctcttcggc 240

agcgatttcc tagggaagat cgacccgtat gtaatcgtgc aataccggag ccaggagcgc 300

aagagcagca cctccagaga tgaggggagg aacccgagct ggaacgaggt gttccggttc 360

cagatcaact cctctgcggc caacgggcag cacaagctct tcctccggat catggaccac 420

gacaac 426

<210> 7163
<211> 360
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013h06b1

<400> 7163

tgttaacttt cttggtgtca gaaatgctgc tcggaggatg ctcctcgatg agctgggcat 60

cccagctgaa gatgtgcccg ttgaccagtt caccctctc ggtcggatgc tttacaaggc 120

accatctgat gggaaatggg gcgaacatga gctggactac ctgctgttca tcgtgcgcga 180

ggtgaagctg gtcccgaacc cggacgaagt ggccgacgtg aagtacgtga gccgggagca 240

gctgcgggag ctcatccagc aggcggacgc cggcgagggc ggcgtgaagc tgtccccttg 300

gttcaggctg gtggtggaca actctctcat gggctggtgg gagcacttgg agaaaggcac 360

<210> 7164
<211> 387
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013h07b1

<400> 7164

tgtaagaatt agatgaaaca agcactttgg ttaaagacaa agaatctgaa gctgctgtac 60

ttcatgacaa cgtcggatcc ttggaggatg aggtgaccag gctcaaggaa gaaattgacg 120

tgacaagtga acgtcttgat gctgcagaga aagatgcagc cgacctaatt gcagagatcg 180

aagagctaag gttgaagcta caggcagtag aagatgagaa agcagaggcg ctgaacaatg 240

accagcttgc aagttcagaa atcgcggccc tgactgaaca aaagaacgag ctagccaagg 300

agctagaagc tagcaaagat gaagttgaga aggttaagaa ggcaatggag ggtctggcct 360

ctgccttgca cgagatgtca gctgaat 387

<210> 7165
<211> 361
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189013h11b1

<400> 7165

tcgggaacct tctgctcgcc atggtcggcg aggtcgggga gctgtcggag ctgttcatgt 60

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gcgaggagct ctccgacgtg ctgctctacc tgatccgtct ctccgacatg tgcggcgtcg 180

acctcggtga cgcggccctg aagaagatcg tgaagaacgc cgtcaagtac ccggcgccgt 240

caaagagcgc ctgatgagcg aacgcctaat atgatctgcg gagggattgt ctacttttt 300

gcagtttgag aacgtgaagt tccggcaaac ttgtggtcgg ttgggtcaag ttaaattgtg 360

a 361

<210> 7166
<211> 55
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015a01b1

<400> 7166

tggtctcttg tcgttgaggg cgaggaaggc gaggagacgg actacgcgct ggaga 55

<210> 7167
<211> 466
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015a02b1

<400> 7167

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ggactggatg gtgggggtgc gccggcggat ccacgagaac cctgagctcg gctacgagga 180

gtttgacacc agtgagctcg tgcggcgcga gctcgatgcc atggggatcc cctacaggca 240

tcccttcgcg gtcaccggcg tcgtcgccac cgtcggcaca ggcggcccgc ccttcgtcgc 300

gcttcgggcc gacatggacg cgctccctat gcaggaaagc gtggaatggg aacataagag 360

caaagtgcct gggaagatgc atggatgtgg ccatgatgca catgttgcta tgctattggg 420

ttctgctaag attcttcagg agcaccgtga cgagttgaag ggtact 466

<210> 7168
<211> 320
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015a03b1

<400> 7168

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actgggtatg atctgtccgt caccactttc tccccggacg gacgtgtctt ccaggtcgag 180

tatgctggca aggccgtcga caacagcggg acgatcgttg ggatcaaatg caaagatgga 240

attgtccttg gtgtggagaa gctgataaca tcaaagatga tacttgctgg gtcgaaccgg 300

agacttaatt ccgtgcaccg 320

<210> 7169
<211> 424
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015a07b1

<400> 7169

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ccgggatcct ccacaggtcg gcggcggcgg gcctggagac gcggatgccc ctgcacagcg 180

cggcgtcggc ggcgcgcctc ggatcctgca tcacccgaga tggcgacaat gctttctcat 240

ggaactccag gcgcatgttc agttcaaatg agaaacatct gcctgcaata tctgacccga 300

aaattgagac tgcatttaag gatttgatgg ctgctagctg gaacgagctt ccaggttctc 360

ttgtggagga agcaaagaaa gcagtatcta tggctactga tgataaggct ggtcaagaag 420

cttt 424

<210> 7170
<211> 357
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015a09b1

<400> 7170

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tcttcgagac gcccgcgggg ttcgccctct tcaaggtgct ggacgagggg aagctcagca 180

gcgtcgagga tctgtggaag gactttgcct cgtcggacaa agcaaggaag gtggttgagc 240

tgaaggcttt caacaagttt gaaaatactt ctgatgctct ttcagccgca actttgctga 300

ttgatagcaa gcccagcaag ggtctgcgca agttcctgca gaagcactgt gatggtg 357

<210> 7171
<211> 405
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189015a11b1

<400> 7171

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gagcgggcac tggacgcggc tgcggacgct cggctgcggc gcgtcggggg ccgtggtgtc 120

gctggcggcc gacgccgcgt cgggggagct gttcgcggtc aagtccgtgc gcgcggcgga 180

cgcggcgcag ctgagccggg agcaggggat cctctccgcg ctctgctcgc cgcacgtcgt 240

cggctgcatc ggcgngcggt ggcgaccgcg acggctccta ccacctcttc ttcgagttcg 300

cccccggcgg ctcgctcgcc gacgaggccg ccaggaatgg gggccgcttg gaggagcgcg 360

ccatctgggc gtacgcggcg gacgtcctgc gcggcctggc ataca 405

<210> 7172
<211> 469
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015a12b1

<400> 7172

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ataacatgct acaatccgga gtactcgaac tgttggaaca catacggaag gaaaatctaa 180

aacctcttgt tatttatgtt accgagtctt tctcagatca acttatgaag tttgaacact 240

tcgggagcat tcaggccttc aaactcaagt atcaacagta cttggagagt gccgatatga 300

aattaagtgc tagtgtgcct gacatgagaa agaaggcaga aggaagaggt cttgagaagg 360

aagaggaaga ttatttcaat gagagtgacg aggaagattc agtaaggcgg actaaacatg 420

cacacagtga acataatgaa gaaagcaagg atgatgtagc caatggaag 469

<210> 7173
<211> 438
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015b01b1

<400> 7173

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cgcaatttct caaggccatc caattcagcc agcaaatttc ggctacgata attggcatca 180

caaccgtgat ggtcagtatg ctgatgattt cactgaagac attcgcctga aaagccacga 240

actgctcgag ggtgacgaca tgcagcagct gctcagggtc ttcaatatgg gcggagcttc 300

tactggtttg ccagacgaaa cgttttcctt ccctttgcaa tctccattgc caaacccaga 360

cttggaaggt gagcccagcc gtccatcggg caaagccgtt gtcgggtggc tcaagataaa 420

ggctgctatg agatgggg 438

<210> 7174
<211> 459
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015b02b1

<400> 7174

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gccgacctct acgccctcct cgcccacaac tacgtcgagg acgacgagaa catgttccgc 180

ttcaactact ccccggcctt cctccgctgg gcgctccgcc ccccctcctt cttccgcgcc 240

tggcacattg gcgtccgggc caaggagtcc aagaagctcg tcgctttcat atccggctgt 300

ccccgcgcgc atccgtgcgc gcgacgacgt tgtccgcatg gccgagatca acttcctctg 360

cgtccacaag aaggctccga tccaagcgcc tcgcgccagt gctcatccgg gaggtcaccc 420

ttcgcgtcca cctggagaac atctggcagg ctgcctaca 459

<210> 7175
<211> 370
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015b03b1

<400> 7175

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tcctcccggg aaagttcttg gttgatctct tcctcctcga ccgcctccca ggttcttggt 120

gtagcttttg ccactctcac caggagattt catgtctgat cttgacgttc agatcccaac 180

tgcctttgac ccctttgccg aggcgaatgc tggggacgct ggtgcagctg ccggatcaaa 240

agactacgtt catgtacgca tccagcagcg taatggtcgc aagagcctga ccactgtcca 300

gggcctgaag aaggagttca gctacagcaa gatcctcaaa gacctcagaa agagttttgc 360

tgcaatggta 370

<210> 7176
<211> 387
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015b04b1

<400> 7176

taaagtgaag aactggaaaa tgtctgcata caagaaattt gaggagctgg agaactcagg 60

gggtcttatc cctgattatt tcctgagtaa cggccacctt gtcccagcag cgcctcccaa 120

caatggtgcc agtacttcca aaaatcaaac tactgcagaa tttggtgagc aacaaccatt 180

tctgcaggag agtggattcc cactggcaca gatctttgca aaaaatgttg ctgctccttc 240

gaatcaagaa ggaccaccat ttacacagtg cagttacgaa caggttgcac atcaagaact 300

atatcagcag gatccttcta tactgtgtaa tggaattcct ccctatttga cccatggaaa 360

catcaatggt caggggatca ttctcag 387

<210> 7177
<211> 311
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015b05b1

<400> 7177

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cgcccttccg gatgtccaat ctgaaggggg taccacatga agttctgcaa gtgggaaatt 180

accatagaac tgtccgtcac gaccataaca agatagttga ggttccccag gaagttggta 240

ccattgagaa tctgcagccg ctgcggcgcc gtgtcctccc ccgcggccac accaggtcta 300

atattggata c 311

<210> 7178
<211> 362
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015b06b1

<400> 7178

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tgccgcatca gccgtcgccg tcgatggagg cggactacta caaggtgctc ggcgtcggcc 180

gcggcgccac cgacgacgag ctcaagaagg cctaccgccg cctcgtcatg aagtaccacc 240

cggacaagaa cccctccccg caggccgaca ccctcttcaa gcaggtctcc gtggcctacg 300

acgttctcag cgacccggat aagcgcgcca tctacgacca gtacggcgag gaggggatca 360

ag 362

<210> 7179
<211> 453
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015b07b1

<400> 7179

tcgcccacgc gtccgatttt catctttaag gaacaaactt gaattgcttc cacctggtgt 60

tctgattata ggatcccaca cccagatgga cagccgtaaa gagaaggcac atcctggtgg 120

atttcttttt acgaagttcg ctagtagcag ccagacgctc ttcgaccttt tcccagacag 180

ctttggtagt cggttgcatg aaaggaacaa agaaagcccg aaggcaatga aacatctaaa 240

taaacttttc ccgaacaaaa tttccatcca gcttccacag gacgaagcat tacttaccag 300

ttggaagcaa caattggatc gtgatgttga aacccttaaa gcaaaatcta acatcggtag 360

cattcgtacg tttttgaatc gcagtgcgat cgaatgcagt gaccttgaag aattattcat 420

aaagatcagt cactgactaa tgaaaatgtg gac 453

<210> 7180
<211> 468
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015b08b1

<400> 7180

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aaggaggagt tggaaagccg tcttgctaaa aacgaacggg aagtaagaaa gcgggagaaa 120

aaaataaatg agatagtcga caggatctac aaggatttta gcatgtcagt tggtgtgaag 180

aacattcgtg aatatgaaga aaagcaactg aaagatgctc aagcactgca ggagaggaag 240

ctaagtctga gcaatcaatt atcgaaactg aaataccagc tggaatatga acaaaagaga 300

gatatgcatg ctccgattgc aaagttaaac aacacacatg agaccctaga gaaggagctg 360

aagggcttgc aggagagaga aactcgtgct aaggctgatg ctgaacatat ttcaaatcag 420

atggaagagc tgaaggctga ggctgaagac tggaagttga agtcagat 468

<210> 7181
<211> 444
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015b09b1

<400> 7181

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cttgaacctg cttcactgga ggatagtatg gatggtgtct ctgctgttgt atcctgtgtt 180

ggaggctttg ggtcaaattc tcaaatgttc aaactgaatg ggactgcaaa catcaatgcc 240

atcagggttg cagctgagaa aggcataaaa agatttgtgt atgtgtcagc tgcagacttt 300

ggtttagtga attacttatt gcaaggttat tatgagggca agagagctgc tgaagctgaa 360

ctgctgtcga agtttaccta tggaggaagt gatactgcgg cctggtttta ttcatggaac 420

tcgtcgagtg ggtagcgtga acat 444

<210> 7182
<211> 319
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015b10b1

<400> 7182

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gatcgtcgcc ctccgggacg ccaaactgaa ggtggtacca catgaagttc tgcaagtggg 180

aaattccctt agaactctgg atttgacaaa taacaagata gttgaggttc cccaggaagt 240

tggtaccatt gtgaatatgc aaaggctggt tttggctggt aatttgattg aaaacattcc 300

agctaatatt ggatacctg 319

<210> 7183
<211> 432

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015b11b1

<400> 7183

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ccgcggccac ctcgtccgcc tctcccctct tcggcgcacc cgccacctcc gccgcagcaa 180

ccacgcctag catattcggg gccgccacga ccacgcccag ccccttcggc gcaccggcca 240

cctcgtctgc ggccaccacc ccgagcctct tcggcgccgt ctcctccccc gcggccacac 300

caggtctctt cggtgcgacc accgccgccg ccagcacccc cagtattttc ggcgcttctt 360

ccgctgcgtc cactccaggt cttttctctg gcgccgccac gggcttcggc ttcggctcat 420

cggcatcagg ct 432

<210> 7184
<211> 412
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189015c01b1

<400> 7184

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cccgccatcc ggctgccgtc gcagcgcgcg gcggccgggc aggaggacga tgactccgtc 180

gggaccaagt gggccgtcct cgtcgccggc tccaagggct accagaacta ccgccaccag 240

atatctgcca cgcctaccag atcttgaaga aggggtggtc tcaaggatga gaacatcatt 300

gtcttcatgt atgacgacat tgcgcataac ccggagaacc cgaggccngg cgtcatcatc 360

aaccaccccc aggggggnag atgtctatgc tggggtccct aaggactaca ct 412

<210> 7185
<211> 394
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015c02b1

<400> 7185

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aggactcgga cgggttcaga cgtctggtct ctgagaagcc cgagtggccg gcgccggcgc 180

cggcgaagcg ggaggggctg gatggtttcg gccgggaggc gagcaacggg gaggaagacg 240

ggctggtgca gggcgagctg gctccgtgga gcgttctcag ccagctcggc gtcgagttgg 300

attctgacag ttcatatact gctctagtct atgggtcctc cgccattgtt gctatttgga 360

tatcatcgat aggtggtttc tgcacttgaa tcag 394

<210> 7186
<211> 386
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015c03b1

<400> 7186

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catcgtggtt attggccatg tcgactctgg caagtcgacc accactggcc atctgatcta 120

caagcttgga ggtattgaca agcgtgtgat cgagaggttc gagaaggaag ccgccgagat 180

gaacaagagg tctttcaagt acgcctgggt gcttgacaag ctgaaggccg agcgtgagag 240

gggtatcacc attgatattg ccctgtggaa gttcgagacc accaagtact actgcaccgt 300

cattgatgct cctggtcacc gtgacttcat caagaacatg attactggta cctcccaggc 360

tgactgtgct gtgctcatca ttgact 386

<210> 7187
<211> 213
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015c04b1

<400> 7187

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tacgcatctt gatacaagag cttgaccaat gactgggagg agcatttggc tgtcaagcac 120

ttctatgttg agggtcagct tgagttcaag gctgctctgt atgtgcctaa gagggcccca 180

ttcgacctat gagacaacaa gaagaaggcc aac 213

<210> 7188
<211> 463
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015c08b1

<400> 7188

ttttccacgc gtccggttcc cgttctcctc tccccctgtc gcctccatag cagcagcagc 60

tccagctcga gcaagaaaga actagtttga tctgtgaaaa tgttggccat cttccagaag 120

caggtggcgc acgcgccgca ggagctcaac agcccgcgcg gcagcaccgc caagcccaag 180

aaccccgacg agatcctccg cgacttccac gccgcccacc cctccgacgc cttctccacc 240

tccttcggcg gcggcgccgc cctcgcctgc gtcgccgcgc agccccgcaa cctcgccgcc 300

ggcgggtacc agaggatgtt ctgcgggctg gacgacatct actgcgtctt catggggacg 360

ctggacaacc tgagcgcgct gatgcggcag tacggcctca cgggccgctc caccaacgag 420

gcgctgctgg tgatcgaggc ctaccgcacc ctgcgcgacc ggg 463

<210> 7189
<211> 253
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015c09b1

<400> 7189

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agccgcgcca ccgccgacgc cgcagctccg gcagccgttc gtctcgagat tgatctttgg 120

tgactgttag aagccacaga cactgaagat ggcgcagcct gctgagcttt cccgcgagga 180

gaatgtgtac atggccaagc ttgcagagca ggctgagagg tacgaggaga tgggttgagt 240

tcatggagaa ggt 253

<210> 7190

<211> 338
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015d01b1

<400> 7190

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ggacgcccac aacgcggcgc gcgccgacgt gggccttggg gaggtgacat gggacgctac 120

ggtggcagcc ttcgcgcagg actacgcgga tcagcgccgc ggcgactgcc agctgatcca 180

tactcctgat ggccggccgt acggggagaa cctctacgga ggcggcggga ccgagtggac 240

ggcgacggac gccgtgaatt cgtgggtgtc ggagaagcag tactacgacc acgacagcaa 300

cacctgctcg gcgcccgagg gtgagtcgtg cgggcact 338

<210> 7191
<211> 394
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189015d03b1

<400> 7191

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tcgacatcgc cggccacttc gccgggttag gcagcgccga tgacctgccc aggacccccg 120

tcctgtgcaa gcccaacgtc ggcgccatgg aggcggccct caggatcgcc aacgtcaacc 180

cttacaaggc gattttcttc gacgacagcg tgcgcaacat tcaggcgggc aagcgaatcg 240

gcctccacac ggtgctggtt ggcacgtcgc ancgggtgaa gggcggcgga tcacgcgctg 300

gagagcatcc acaacatccg ggaggcgctg ccggagctgt gggaggaggc cgagaaggcg 360

agggacgtcc tctacgccgc ccgcgtggcg atcg 394

<210> 7192
<211> 411
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015d04b1

<400> 7192

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gggcggcagt ggcctggcct ggctctggcg cgtgcgcgtc ctgtgcgtcc gggagctgtg 180

gcggcgccgt ctcggctgaa tgcgatggac agctcgtagc ggctgcttca gtcatgcact 240

ttctggcggt ctaatctttc cgaggaggca atatcgtatg ccttactacc tggcattggc 300

tggcttagat gtcgtttcgt agcatagctc gtgatgttag ggatggtttt cggtagcttg 360

tcgagacgga gctttgatgt gacaatcgca agcctttatg gtcttactgg g 411

<210> 7193
<211> 459
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015d07b1

<400> 7193

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acatcgtgta cgtcgaccgc cccgaggacg ccgaccccga ggagttccac atccgcaccc 180

tcgcccccgt cctcggcagg taactgtgcc gtggaatcgg accggatccg cagccgtttg 240

gctcgggttt gcgccgccct gcctgtggga tctaggcctt tgggggtccg atttagcttg 300

gccttgtcgt tttggggttg attcgttctc ttgagacttt ttccggccgt gtgtcaattt 360

gctgatctgg ggggaatttt ggcagcgagg agaaggccag gggcgccgtc ctttaccact 420

acaagcacgc cgccagcgga ttctccgcaa agctcacca 459

<210> 7194
<211> 424
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015d08b1

<400> 7194

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ccatcgagaa catccactcc gagatgtact ccctgctcat cgagacctac atccgcgacg 120

acgtcgagaa ggaccgcctc ttccgcgcca tcgacaccat acccgccgtg cgccgcaagg 180

ccgactgggc cctgcgctgg atcgacggtg gggagcgctt cgccgagcgc atcgtcgcct 240

tcgcctgcgt ggagggcatc ttcttctcgg gctccttctg cgccatcttc tggctcaaga 300

agcgcgggct catgccgggc ctcaccttct ccaacgagct catctcccgc gacgagggcc 360

tgcactgcga cttcgcctgc ctcctctacg acatcctgcg cggcaagctg gacgagtcac 420

gcgt 424

<210> 7195
<211> 448
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015d09b1

<400> 7195

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atcttcccgc cctgctccac gtgctgctcc agtgagaaac ccaccagcgc cagcccgtca 180

agctcctcca cctgctacta cccagagcag cggtggtggt atcatgagcg gaattgggtc 240

cactattgct cagggcatgg cttttggtac tggcagtgct atggcgcaca gggctgttga 300

tgctgtgatg ggtccccgta ccattcagca tgagactgtt gtcggtgagg ctgctgcatc 360

tatgactcca atggacaacg ctgctgatga caagtgtggc aacccttcca ggccttccaa 420

gattgcatca accactacgg cagcgaca 448

<210> 7196
<211> 461
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015d10b1

<400> 7196

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gcgccctcaa ggcggcgctc gccgagttca tctccacgct catcttcgtc ttcgccggcc 180

agggctccgg catggccttc agcaagctga gccccgacgg cgcggcgacc cccgccggcc 240

tgatctcggc ggcgatagcg cacgccttcg ccctgttcgt ggcggtgtcc gtgggcgcca 300

acatctccgg cgggcacgtg aacccggccg tgaccttcgg cgccttcgtg ggcggcaaca 360

tcaccctctt ccgcggcctg ctctactgga tcgcccagct cctgggctcc accgccgcct 420

gcttcctcct ccgcttctcc accggcgggc tccccaccgg c 461

<210> 7197
<211> 296
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015e02b1

<400> 7197

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caaacgcgag aagatggcgt tgcactggag cggcggcctc gctgtcgcgg tcgcggcggc 120

gctggccgtg tccgcgctct tcccggcggg cgctgcgggt cacccgccgc tcccaggccc 180

gttggtcccg cagttctacg agcacacgtg cccgcagatg caggcgttgg tgggcgccat 240

cgtggccaag gagcacgcca gggacccccg catggcggcg tccctgctcc ggctgc 296

<210> 7198
<211> 261
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015e03b1

<400> 7198

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agcgcgcacg ccggattctt cggccgcccc gtcaagctcc tcgcctcgct cctctccgtt 180

cccgcgtccg ttctccgcct cctcctcaca gccctcccgg cctcccctct tctgcttatc 240

cccctgctcc cactgcccgc t 261

<210> 7199
<211> 221

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015e04b1

<400> 7199

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atgaagagga gctggcccct atgacaccgc ctgctgccaa ggcctcggcc ccggccgctg 120

ctctgccgga cgtggtggtg aaggcgagca agggatggca ggaggtgttg ccccggcgtg 180

gtccgcgtcg cccgacgtcg ctagcccctg caatggctcc c 221

<210> 7200
<211> 309
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015e05b1

<400> 7200

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ctctcaatgc tgtctcacga aacatgttaa aaagacgaca ccacagtatc tcgcaaacgt 120

cgcccttaaa atcaatgtta aggtgggagg gagaaatact gtacttgttg atgctttgtc 180

aaggagaatt ccccttgtta gtgacagacc aaccattata tttggtgctg atgttaccca 240

tcctcatcct ggagaagatt ctagcccttc catcgcagct attggcccga ggtcaccaag 300

tatgctgga 309

<210> 7201
<211> 424
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015e06b1

<400> 7201

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ctttgccggg agcctcaatg gtcgggatgt cctcctccgt gccacgtggt ccggcgccgc 180

atgctgcagc tgggaaggcg tgggttgtga cgccgccaac ggccgtgtca cggcactacg 240

cctccccggg cgaggccttg agggggccat cccaggaacc tcacttgcag gccttgcgca 300

gctcgaggaa ctcgacctcg gctccaacaa ctttcacaac atctcagggg tgctcaccgt 360

gttgcatggg tgccagaacc tcgccacgtt gattctcaca agaattttga tggtgaagag 420

ctac 424

<210> 7202
<211> 461
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015e07b1

<400> 7202

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gatcttgttc ccaagaaggt atcaaacttc ataccaatcc caatggcgat ggcaatccca 180

ttctacatag gatcgtattt cgccatcgac atgttcatcg ggacagtgat ccttttttgtc 240

tggcaaaggc tggacagagc caaatcggaa acatttgcac ctgcagttgc ttccggcttg 300

atttgcggcg atggactgtg ggttctgcct cagtcggtgc ttgctcttgc caaggtgaaa 360

cctccaatct gcatgaagtt tctgtcaaga gggatgaacg acaaggtgga tgcttttatc 420

acaacattat cgtagaatct tagggaaaag gagaagttac a 461

<210> 7203
<211> 381
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015e09b1

<400> 7203

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agtcgccaag aagaaaagtc ccaaactttt tccccctgat cgatccgccc tcctcctcct 120

cgtcgccgca ggagtttctc ccgggattcg ccgccccctc cttctctctc cggcgaccga 180

tcggatcccg ccggccggag gcccgagccc cgcccgatct acccacccga tggcggccaa 240

cgccggcgcc ggcgccggcg gcagcaagat ccgcaacgcc aagctggttc ttctgggcga 300

cgtcggcacc ggcaagtcca gcctggtgct ccgcttcgtc aagggccagt tcgtcgagtt 360

ccaggaatcg accatcggcg c 381

<210> 7204
<211> 308
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015e10b1

<400> 7204

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gtacccaccc ggtggccagg ggggataccc tccgcaaggg tacccgccgc agcagggagg 180

ttaccctcca cagcaaggat acccgcctgc acctggagct tacccacctg cacctggggc 240

ataccctcct gcacctgggg cataccctcc tgcacccgga gcgggtggca gtgacgggga 300

gaaggggc 308

<210> 7205
<211> 448
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015e11b1

<400> 7205

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gtcctaatcc gccgaatccc gcgacccacg aaccaaggca gatcgatggc gaagagctcg 120

ttcaagctgg agcacccgct cgagaggagg caggcggagg ctaaccgcat aagggagaag 180

tactctgaca gaattcctgt gatcgttgag aaggctggga agagtgatat tcctgacatt 240

gacaagaaaa agtacctcgt ccccgccgac cttacggttg gacagttcgt gtatgttgtc 300

cggaagcgga tcaagctcag tgctgagaag gcgatcttca tctttgtgaa gaacactctt 360

ccaccgacag ctgccctgat gtctgccatt tacgaggaga acaaggacga ggacggcttc 420

ctctacatga cctacagcgg cgagaaca 448

<210> 7206
<211> 493
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015e12b1

<400> 7206

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ggaacgccaa gatccccaag gccggcgacg atggcggcgg ttcggtgcgc ggcgaggagg 120

ctcggcggct ctctgctcca gcgaacgcag gcggcggtcg cggaggaggg acgcctgctc 180

gcgccaagca ggctcatgcg ctcccgccag ctctccacca aggtctccgg cgagcgatcg 240

caggtggcgg agcgacacct cctcgagcca ggcagcctca tgcgctcccg ccagctctcc 300

ggcgagcatg ctcgcaacat ccagaagaaa gaggatgact gctgggcggg gttcaatgag 360

acgctaaaga ggttggacga gcttcaaaaa aagaagaaac caagtgtctt tcagcagcgc 420

atgatatcca tcgaccgtgc gttgaagagt ttggtctatg gatctttaag gtgacagttg 480

tgtatgtggc tgc 493

<210> 7207
<211> 274
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015f01b1

<400> 7207

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cttttgccag tctcagcagg agatttcatg tctgatcttg acgttcagat cccaactgcc 180

tttgacccct ttgccgaggc gaatgctggg gacgctggtg cagctgccgg atcaaaagac 240

tacgttcatg tacgcatcca gcagcgtaat ggtc 274

<210> 7208
<211> 219
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015f02b1

<400> 7208

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aaacatgtcg agcgcttcgg gacgggcggt ttgacgagca atgagatcga gcgctggtgg 120

ggaggtatct cacggtaatg gtgggcgtgg cggagcggcg ctggatttcg atggcatgga 180

gttcctacta gagccagttg accggttccc actcaggga 219

<210> 7209
<211> 258
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015f04b1

<400> 7209

ttttccacgc gtccgcccac gcgtccggag tttgacttgg tccaagattg atgccaaatt 60

gcaagctgga acatctgatt cagctaaaac agcacaaggc tctccatgtg ctggccattc 120

tttggtatca tgcgggaaca aaatcttctt tgttgctggg catacaaaag aaccatctga 180

cagcattaca gtgaaggaat ttggaccaca tacttgtacc tggtcgattg tgaagactta 240

ccgaaaacca ccggtttc 258

<210> 7210
<211> 71
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015f05b1

<400> 7210

cccttgaggg tatcaagcat ttctatgtca atgtggagaa ggaagagtgg aagctcgaca 60

cactgggtga c 71

<210> 7211
<211> 358
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189015f06b1

<400> 7211

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atccatcgat cgacccttgc ctgagccggc agcagcagcc atgaacaacc tgttctcgag 120

ttcgtggaag cgcgcgggcg cgggggggcga cggcggggac ctggagtcgg gcggcggcgg 180

cggggtggag atgactggcg ccgccgggcg ccgcggcggg ggcgagcctg gaccgcttct 240

tcgaggacgt ggagtcgatc aaggacgacc tgcgggagct ggagcggatc cagcgctccc 300

tccacgacgg caacgagtcg ggcaagtcgc tccacgacgc ctncgccgtg cgcgcgct 358

<210> 7212
<211> 469
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015f07b1

<400> 7212

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ggcgatggag ggctacgacc gcgagttctg gcagttcggc gaccagctgc ggctccagac 120

ggccagcttc tccggcctct ccctcggcga ctccatctgg tcccccgccg acgccgcccc 180

ccgcgcccgc aacgccgacc tcttctcccc ctccccggcg cccgacaaca acaacgccgc 240

caagatgaac ggcaacggcc tcaacgggcc cggcctcatc gggtccggca agctcgcctt 300

cggcgccacc accaccagca aggccgaccg ctacaacaac gtcagcctcc ccgccgccgc 360

cgacgccaac gccaagccct acggcaacgc caacggccta tacggtgcca agcccaacaa 420

cgccaccaac aacggcttta tggctcaaca agatggctgc cggcggcgg 469

<210> 7213
<211> 444
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015f08b1

<400> 7213

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catctttgga gggcatgttg ctgactacat gaggtcacta gcagatgagg aaccagagaa 180

gttccaaact cacttcagtg agtacatcaa gaggggaatc tcagctgatg acatggaagc 240

agtttacaag aaggttcatg ctgccatccg tgctgatccc accatggcca aatcaaccaa 300

ggcgcctccc aagactcaca agaggtacaa ccccaagaag ctgacttatg agcagaggaa 360

ggccagcctc gtcgaaaggc tcaacgccct caacaactct gccggtgccg ccgatgatga 420

cgaggacgac gaccagtgaa atgc 444

<210> 7214
<211> 407
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015f09b1

<400> 7214

tctagactat ttactatcac tgttgtttgg tatttgaaca tgtcttttcg agggggagat 60

gggaacagat agactcagtg aaagttggct gcacgtaaac tattgtgatc aagttggaaa 120

aaaatgtttc ccctcttaac tgctcctgtt ggagactggg gtcagtagtc actgaaattt 180

gcacacgcat ggaggaatga atgatgattc tcaagtaacg aagttgtagc cttcacgaca 240

agataaatgg atgattttgc agctcaagtg ttgctacatg ttacagataa ctatggcatt 300

ccattttaat gaatctgcat attgctgttg agcaccggaa gcgagggagg gcatggctgc 360

ctggaggttg tcccaaggcg agggcagggc agagacatgc aacaatg 407

<210> 7215
<211> 434
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015f11b1

<400> 7215

tttccaccac agccgccgcc tcccccacca acctgccccg acccgctccc gacctccgag 60

gcaagcagcg cctccgccat ggcgttcgag aagatcaagg tcaccaaccc catcgtcgag 120

atggacggcg atgagatgac cagagtattc tggcagtcta tcaaggacaa gcttatcttc 180

ccatttttgg acttggacat taagtacttt gacttgggag ttctacaccg cgatgcaact 240

gatgacaagg ttacagtgga ggctgcagag gctactctca agtacaatgt ggctattaaa 300

tgtgcaacta ttactccaga tgaagatcgg gttaaggagt tcaacctaaa ataaatgtgg 360

aggagcccaa atggcacaat taggaacatt ataaactgca ccgtgttcag agagccaatt 420

atatgcaaga atgt 434

<210> 7216
<211> 223
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015f12b1

<400> 7216

tttttcacgc gtccgccacg cgtccggagc aggccgagtt caagaggatg tacagtctta 60

tttaggagta caagctgaag ggccatatcc gttggatctc cgctcagatg aaccgtgttc 120

gcaatggaga gctttaccgc tacatctgtg acaccaaggg tgcatttgtg cagcctgcat 180

tctatgaagc gtttggcctg actgtcattg aggccatgac atg 223

<210> 7217
<211> 291
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015g01b1

<400> 7217

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ggcgagaaag gacattcctg gatgtggcaa gtttagaaaa aagcctcttc aaaatctgga 120

gcatctttcc aaaatggttg gtgatatttt gaatgatgaa caagatcatt ggaatcccat 180

gagtgacaac cccatcatac ccccaagtca agagaatttt gttgatgttg ataatgttgt 240

tggagttgga gagaaagaag gttcatgaca tccctgatga tattggtaat g 291

<210> 7218
<211> 279
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015g02b1

<400> 7218

tcacgcgtcc gcccacgcgt ccgcccacgc gtccgtgaat cgggagccta aatcatcggc 60

cgcgatttga gactcttttt ctcgagggaa gaatcagaaa gggacaagtc tgagatgaat 120

catacctttt gtttctattt gaagccactt gcttcctggc agtgttataa gaagagtggc 180

atggggtttc cccacttatt atttcccttc tagcttcaat ctgtagtacg ctgtttctga 240

atgtacgaaa acaggccaat tttttgcatt cgatcttct 279

<210> 7219
<211> 282
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015g03b1

<400> 7219

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cgacccgatc tcctcctagg tttcgctccc caccaccgcg gaacgaaccg gaaatggcgg 120

cgcggcacct cagatccggc ctcccgctcc tccaagcccg cctcgcggct aacgaatccg 180

aggacgaagg tcaggtgtcg agggggcttg caacggaggc ggataagcct aaggagaaca 240

agatcaaggt tccaaaagct ctgtatggcg gcacgggcaa ct 282

<210> 7220
<211> 194
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015g04b1

<400> 7220

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tggcgcccat caagctgtac gggatgatgc tgtcggccaa cgtgacccgc gtgaccacgc 120

tgctcaacga gctcggcctc gagttcgact tcgtcgacgt cgacctccgc accggcgccc 180

acaagcaccc cgac 194

<210> 7221
<211> 415
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015g05b1

<400> 7221

cgtgactcag gagaagcccc ggcagccgcc gctcgagatg cagactcagc cgaaaacaag 60

ctcttcttat ggttccttca tgatgaggga tgctcccccc gcctgagctg ccagcattca 120

tccagcggcg gccggcaaga gggtgcggga tgcctcagtg cagtcacagg ccgcacccag 180

gcccggcttc cactgcggat tgcgagccag atcaacggct gaagggcttc cagcccatat 240

cccttactat tcagtagaga gtaacaagtt gcaccggcca ggctggtgta tgttgcggtt 300

gctagcacgc ctgacccctt ggaggggaaa ggacaagaaa taagagtaaa gtagcaagct 360

gcagcgatgt gtatatttca ctttgtccag cccaggttcc ctcccagctg ggctc 415

<210> 7222
<211> 408
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015g06b1

<400> 7222

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gcggaggagg acgaggacga cgccgacgag atgctgaggg ttgcggggag gaggctctcg 120

tcttcgctct cctggcgccc cgtggcgacc gtcggagcca ggggcccgct cgccggcgcc 180

ggcggccctg ggagagacga cgacgacggt tcggcctacc agcggcggtt cgccatcgag 240

tccccttct tcaccgccgc gagaggcttt tcttcggctg aaacacttgt tccacggaac 300

caagatgctg ggttggctga actcccagcc actgttgctg cactgaagaa ccccaactca 360

aaaatccttt atgaccagta caaccatgaa agatatcctc tgggagat 408

<210> 7223
<211> 451
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015g08b1

<400> 7223

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gaaaacaagt ggaagcaaac tttcagcctc agcacctcca ttcaaacctg gatcgctctt 180

atcggtgtcc catccttaca gcacagtggc aatatatgat gctagcgttg tgcttcagcc 240

aatcccaagt caagcaatgg agattctccc tcatgctgtc gatacttaga gtacctccgt 300

ggtcctcggt ccaccttgta ctatcgtact ggacattctt tccaaaggaa acagggttat 360

acacagagcc agagcactat tctgaggggc agcacctccc ctccaaccat gaacccccat 420

gctgctgagt ttgtgcctgg aaaaactgtg c 451

<210> 7224
<211> 463
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189015g09b1

<400> 7224

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gcgccggccg ttccatttcg ctccgccctc ccgccttgtc ccgttgctga gttcgcgtcc 120

gctcgccagg aggagcagtt cgccgccgtt gaagggtcct cccccgtcgc tagccgcgat 180

gaagaaggtt gtgctcaagc tggatgtgca cgacgacagg cacaaggcca aggcgctcaa 240

ggccgtctcc ggtctccacg gtatcgacca gctgggtgtg gacatgaagg accagaagat 300

gaccatcgtg ggcaccgtcg accccgtagc ccgtcgtcgc caagctgcgc aagctcttcc 360

ccggtgggca gnatcgtcct ccgtcggccc ggccaaggag gagaagaagg acgacaagaa 420

gcccgccgga gacaagaaag agggcgacaa gaaggagggc ggc 463

<210> 7225
<211> 264
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015g10b1

<400> 7225

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cttcttcttc ttccttcatg atgagggatg ctccccctgc cgcagctacc agcattcatc 120

cagcggcggc gaggcgagag ggcaggggat gcgggcagag cagacgcagg ccccaccccg 180

gacggggctt ccactgtgga tggggagcca catcaacggc tgaagggctt ccagcccata 240

taagcgtact attcagtaga gagt 264

<210> 7226
<211> 464
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015g11b1

<400> 7226

ttaccaagga gaagccccgg cagcagccga tcgtgatgga ggccgtccgg atcctcaagc 60

gcggcgagga gcccccggct ccctcccccg cccctgcgcc tgtccaggca cgggcgcaag 120

ccccgccggc cgacaggcgg gtgcggtctc cctcccctgc ctcaccgccc gtcgtcaagg 180

cccggcccca agccccgcct gcggacaggc gcgtgcggtc tcctccccca gccacagcac 240

ccatcccggc ccgggcgcaa gccccgccgg ccgacaagag ggtgctccgg accaccagcc 300

ggatcggccc gcagcaaccc gccgtcgtgc caaccaagaa gatggtgccg ctcgccgtcg 360

cagccagcta cgccggcccg gcgttctcgg ccgcggcccc ggagccgagc tctctccccc 420

tccctgggtt cttcttccgc cgcgccgagg aagaggccac ccgc 464

<210> 7227
<211> 252
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015h01b1

<400> 7227

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cggcggcggc ggctcgagca gaggaaagga agctttctac cctagcagag aaaaaaaaag 120

cagaggagag gaagcggagg cgacgatgtc ggcgatgact gcggcggtgc ccttctggcg 180

cgcggcgggg atgacctaca tcggctactc caacgtctgc gcggcgttgg tgcggagctg 240

cctcaaggag cc 252

<210> 7228
<211> 312
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015h03b1

<400> 7228

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cgtgcgcgcc gacgagcacg cgcgggtgga cgcgctctcc tccgccgcat ccgcatccgc 120

atccctatca tcggccacta ctcatctgtc gccgagcttc ttcgagggat tcgcgctgcg 180

cgggatccgc gtgctccgcc tccatccggg gttcatccac tgctcctaca ccgtcccccc 240

gagcctcacc gactccacca ccggctgcct cgccgccggt gcccgttgtc gccctggtcg 300

acgagatcgg ct 312

<210> 7229
<211> 409
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015h04b1

<400> 7229

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ggacatcctc actcatgata gcgttgaagc tcaacagctc caagcatgcc tagatgcagt 180

aatgcaaggc ctcgcaaaat ccatagcatg ggatggtgag ggtgcaacct gcttaattga 240

ggttactgta actggtgcaa ataatgaggc agacgcagct aagattgctc gttcagtggc 300

agcgtcctcc ttggttaaag ctgctgtatt tggccgagac ccgaactggg ggcgcattgc 360

ttgctctgtc ggatattcag ggattcattt tgatgcagat caacttgat 409

<210> 7230
<211> 309
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015h05b1

<400> 7230

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gcagagatgg gctccaccgc aaccgacatg gccgcctccg ccgacgagga ggcgtgcatg 120

tacgctctcc agctcgtctc gtcgtcgatc ctcccgatga cgctcaagaa cgccatcgag 180

ctgggcctcc tggagaccct ggtggccgcc ggcggcaagc tgctgacccc cgccgaggtg 240

gccgccaagc tcccgtccac ggcgaacccc gccgcggcgg acatgggtgg accgcatgct 300

ccggctgct 309

<210> 7231
<211> 376
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189015h06b1

<400> 7231

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tgcttccacg cgccaccgcc ggcccccctgc ttccacgcgc cgccggcggc cccgctgctt 120

ctagccgcca ctgtcgggag ccaccatagc gccaccaatc gccacgacca gtcgtcccta 180

ccgccgcctt ggcgacctac ccccaccccc cgcaggggggc catcgcttcg tgtcaccgca 240

tccggtggcc acagcgtgcc gtccaactcg gcagtccaac tgcttgctcc acggntcggt 300

cgctcaagta gctgcgtgca ggcaaacatc tccacgggcg acaagttctt ctttcacaac 360

ttgttgctgc tgctgc 376

<210> 7232
<211> 327
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015h07b1

<400> 7232

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tgcggctgcg gctcaaactg caactgcggc aagatgtacc ctgacttgga gaagagcggc 120

gccaccgtgc aggccaccgc cgtcgtcctc ggcgtcgggc ctgcgaaggt gcagttcgag 180

gaggccgccg agtccggtga ggccgcccac ggctgtagct gtggcgccag ctgcaagtgc 240

gacccttgca actgctaagg tgcaagcggt tgatgcgctt ctggtgattg tgccgtgtgt 300

gatcgagtgc gaataatgaa accgacg 327

<210> 7233
<211> 149
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015h08b1

<400> 7233

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actactcatt ctacaacgcc acggagttcg cgaagactgc gtctgctaat taggtctagg 120

gcgaggatgc tagatggaac tgcaaactt 149

<210> 7234
<211> 134
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015h09b1

<400> 7234

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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaggggc 120

ggccctttta gagg 134

<210> 7235
<211> 434
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015h10b1

<400> 7235

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caacaaggtt gcagccataa taacccttct gtttataatc gcgatcaacg tggcaatcgg 180

gatactaccg catgctgata actttgctca cattggtgga ttcctgaccg ggttcctttt 240

ggggttcgtt ctgctggcaa ggccacaatt cggttggttg gaacgcagcg agctgcccca 300

taccaatcag ccccccaagt acaaaccata ccaatatgtc ctggtgggtt gtggcactcg 360

tcttgctgct tgtcgggttc acgctttcgt tggtgatgct cttcaagggc aagaacggga 420

atgacggctg ccac 434

<210> 7236
<211> 337
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015h11b1

<400> 7236

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gtctccggtg accggccgat tccggaactc tcctccccga cctccgtgcg ggtgcgcgtg 180

gcggcaacca gcctcaattt cgcgacgttc ctgcaagtgc agggcaagta ccaggagcgc 240

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cggcgtgcgc agattccgcc ccggcgaccg cgtctgc 337

<210> 7237
<211> 382
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189015h12b1

<400> 7237

ttgtcaatgc cagttcgtca cgggccggct gtacaacttc agcgggacga accagcctga 60

cccgaccctc gacgcgacat accgagcctt cctgtcacag agatgcccga ggaacggcga 120

cggaacgtcc ctcaacgacc tcgacccgac cacacccgac aacttcgaca agaactactt 180

cacaaacctc gaggtgaacc gcggcttcct tcagtcagac caggagctca agtcggaccc 240

cggcgcggcg gggacgacgg cgccaatcgt cgatcggttc gcgggcagtc aggaggcctt 300

cttcagtagc ttcgtgactt ctatgatcaa gatggggaac attaggcccg tcacagatcc 360

ctcccaggga gaagtccgga ac 382

<210> 7238
<211> 279
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016a01b1

<400> 7238

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gccatcatct acaacaggga gcacgcctgg tcagaccact ggatcttctg ggtcggcccc 120

ttcatcggcg ccgcgctcgc cgccgtctac caccaggtgg tcatcagagc gatcccgttc 180

aagaccaagt cctaagctgc tgttcttcct gctacaaaga agatgccaac ccaacccgaa 240

gagcaaagct ggcgtgttct gaatttctga tggggcggc 279

<210> 7239
<211> 298
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016a03b1

<400> 7239

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acgggctact cgctgctggc caccgcgctg gcgctcccgg aggacggcaa ggtggtggcc 180

atcgacaccg accgcgagtg ctacgaggtg ggccgcccct tcatcgagaa ggccggcatg 240

gcgcacaagg tggacttccg cgagggcacc ggcctggcgc gcctggacga gctgctcg 298

<210> 7240
<211> 307
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016a04b1

<400> 7240

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gtacgccaag ttctggaatg agtttggcaa atcagtcaag ctgggaatca ttgaagatgc 120

aacaaacagg aaccgtcttg cgaagcttct gagatttgag agttccaagt cagatggcaa 180

acttgtctcc cttgatgagt atatttcaag gatgaagtca gggcagaagg acatcttcta 240

ccttacagga agcagcaagg agcagctaga gaaatctcca ttccttgagc agctgaccaa 300

gaaaaac 307

<210> 7241
<211> 212
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016a05b1

<400> 7241

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aggagctcct gcatcccgcc ggtgccgcct caccctcccc cggtcgccgc cctccggtgc 180

cgcgccaagg aaaggtttat tacctgcagg aa 212

<210> 7242
<211> 303
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016a06b1

<400> 7242

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ccggagctcg ccgccgccgt cgccaacgct ggcgccatag gcctcctccg ccttcctgac 180

tggccggcgc cggaccacgt gagggaggtt gatacagagg accaggagcc tgaccgagaa 240

gccgttcggg gcggccattg tgctggcctt cccgcacgag gagaatctga gagtcgtgct 300

gga 303

<210> 7243

<211> 223
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016a08b1

<400> 7243

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gggcaggtac atctgtgaag ccacgacacc accctcgtgc agcttgcctc tctcctggcc 180

gaaaagtacc cacaatacca atgtgaaact tgaacgcttt gct 223

<210> 7244
<211> 305
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016a09b1

<400> 7244

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agctgaagct ggttggggag tacggtctgc gggccaagcg tgagctctac cgtgtgcagt 120

acgccctcag ccgcatccga aatgctgcca gggagctgct caccctggat gagaagaacc 180

cccgccgtat ctttgagggt gcagcgctcc cccgccgcat gaaccgctac ggtcttctca 240

ctgaggaaca gaacaagctt gattatgtgc ttgccctcac tgttgacaac ttcctcagcg 300

ccgtc 305

<210> 7245
<211> 343
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016a10b1

<400> 7245

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caccatggcc cgcttgtacg ttggcaactt ggatgcccgg gtgactgctg gggaacttga 180

agatgagttt cgtgtgtttg gagttttgcg aagtgtctgg gttgcacgta agccacctgg 240

ttttgcgttt attgattttg acgacaagcg ggatgctgag gatgcacttc gtgatctaga 300

tggcaagaat ggatggaggg tctgagctgt ctcgcaatga ccg 343

<210> 7246
<211> 293
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016a11b1

<400> 7246

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tttggaggat gtcttgcaac tgcggatcag gctgcagctg cggctcagac tgcaagtgcg 120

ggaagatgta ccctgatctg acggagcagg gcagcgccgc cgccgaggtc gccgccgtgg 180

tcgtcctcgg cgtggcgcct gagaacaagg cgggacagtt cgaggtggcc gccgggcagt 240

ccggcgaggg ctgcagctgc ggcgacaact gcaagtgcaa cccctgcaac tgt 293

<210> 7247
<211> 210
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016a12b1

<400> 7247

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gcctccactc atcaagcgcc tagctagggt tttgcttggt ccagtcggga gagggaggcg 120

agatgctgcg tcggaacacg cggcttcgtc gggagtacct ctaccggaag agcctcgagg 180

ggaaggagcg tcagcactac gagaagaagc 210

<210> 7248
<211> 197
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016b02b1

<400> 7248

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gaggttgaga gctccgacac catcgacaac gtcaaggcca agatccagga caaggagggc 120

attcccccgg accagcagcg ccttatcttt gctggcaagc agctggagga tggccgcacc 180

ctcgctgact acaacat 197

<210> 7249
<211> 366
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016b04b1

<400> 7249

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ctgctccatg gatctgttca tggagccgaa tggcgactcg gaacagagga ttagccatgg 120

gcagacgggg gatactggtg ctgcgcggcc tatagagtcc caggcttcta ttagcgtcgc 180

cgagggtgac attcgccgtg tcggagacct ctgtagcggc ggcggaaatg cgtgatttgt 240

tggcgaggac ccgctctgca agtgtgttcg gaggctacga gcggatggac acacatagta 300

agggatcagg aaagcccctc cggagcgcga gttcaaccat aaccggaaaa gtgcgcttga 360

actatc 366

<210> 7250
<211> 339
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016b05b1

<400> 7250

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tctattccac gtgcagtcct tagaggagca agtggacttg ctatcttgac agttgtaaaa 180

gctggtgcat ttcttacata caaacttgga actggcttag tagttgctcg taaatcagat 240

gggtcatggt ctccaccctc tgctatagct tcagctggat taggatgggg agcacagctt 300

ggcggtgagt tgatggattt catcatagtg cttcatggt 339

<210> 7251
<211> 295
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016b06b1

<400> 7251

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ataccattca aaaactcatt tctgaagttg acgagggata tatcttagat gatagatgtg 120

tacgtgctgc tcccaaacct gtgaaggatg atgcttcaag aagtaggttt ctatcagaag 180

aacagattca gccaaccgaa tcatctgctg atcccactat caattgtttc tcatatcggt 240

actacctatc taacatttgg gcgaattaca acaggactag agatgctctt aagat 295

<210> 7252
<211> 153
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016b09b1

<400> 7252

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cctccccacc acggcgtgcg gcgaggagtc cccggatcgc tcgccgtcac ccagtgcggt 120

gcagatctgg gagtccgccc tcaccaagca ttc 153

<210> 7253
<211> 301
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016b10b1

<400> 7253

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gcccccacaa catgctttgg ccctcggttc ttctcgaagt cgaagaaaga tcgaaagcca 180

aagcctgaag ttgtcaacca ggtccgccca tggccggagc tcatggcaga acctagtgat 240

gctcgatcaa tgtcatttgt tggcacacac gagtacttgg cccctgagat tatcaaaagg 300

t 301

<210> 7254
<211> 405
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016b11b1

<400> 7254

ctgggggaac ccgacggaga tggacgccga cgacaacaag tcgctggcgt tcgagggcta 60

cgagacggtg aggatcgcca aggaggccgt ggaggccgcg tgccccgacc tcgtctcctg 120

cgccgacata ctcaccatcg ccacacggga cgccatcgcc ctgagcggcg ggcccttcta 180

ccaagtggag ctggggaggc tggacggcct gagctccacg gccagcagcg tggccggcaa 240

gctgccgcag cccaccagca ccctcaacca gatggtcgcc atgttcaggg cgcacgggct 300

caacatgtcc gacatcgtcg ctctctcagc ggcgcacacc gtggggctcg cgcactgcgg 360

caagttcagg accggggtgt acggcagccc ggcggacgcg acgct 405

<210> 7255
<211> 273
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189016b12b1

<400> 7255

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cgccatggct tgtcacgtga aggccattgt gtttggcgcc gccgtcctgg cagcatttgt 120

tctcgcgact gagggccgcg ctgctcggaa ggacctgggg ctgggcctcg acctcggcgg 180

cggcggcggc ctcggggtcg gcacgggcgg cggtctggga gtcggcaccg gtggtggcgt 240

gggcatcggc taggaatcgg tgtcggcatt ggc 273

<210> 7256
<211> 366
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016c04b1

<400> 7256

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ggccccagat acggaagatc taccaaacag caccccatat ttatgaaaat accgagagaa 180

tatctttggt gagctcattt atggcatcta tccttgttgg atgctatgca agtattgatg 240

aaactgatgg tgctgggatg aacttgatgg atataaacaa gaggacctgg tcaaaagctg 300

ttttagaggc aactgctcct gatcttgaac agaagctggg aaatctggca ccggcacgtg 360

cagctg 366

<210> 7257
<211> 388
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016c05b1

<400> 7257

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aagatggtga agatctgctg ccttggggct ggctatgtag gtggcccaac aatggcggtc 180

attgccctca agtgccctga cattcaggtg gttgtggtag atatcaccaa gtcccggatt 240

gatgcctgga acagtgacac actgccaatc tatgagcctg gccttgatga agtcgtgaag 300

cagtgccgtg gaaagaacct cttcttcagc aatgacattg agaagcatgt tagcgaggct 360

gacatcatct ttgtgtcggt aaacaccc 388

<210> 7258
<211> 358
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016c06b1

<400> 7258

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cggtgccggc gccgccggat cccgcccggc caccgccggg ccccgcggca cgcccgccgc 180

cacggctggc atgcgccgcc gacccggccg cacctcctcc tccgcgtccg gtggcggagg 240

cttctccggc ggcggaggga acaacatgct gcgcttctac accgacgagg ccccggggct 300

gcgcctctcc ccgaccatgg tgctcgtcat gtctgtctgc ttcatcggct tcgtcacc 358

<210> 7259
<211> 170
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016c08b1

<400> 7259

cgcacgcacg cacgcacaca gccgccacca ccccccaccg gcccacctcg cgcccgcttt 60

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gctgaccatg aaccgcccga cgccggcgca ccacaggggc atgccgccgc 170

<210> 7260
<211> 349
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016c10b1

<400> 7260

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cgggcaggtc atcgccgcct cccccgacgg cgaccagttc ggcccccacg acgcccagct 180

cgacctcaac cgcggcatcc ctaggttcta catcatgaga ttggagagca ggccgctcag 240

gttctcgacc atcacccacc acgccagcgt cacgcagtgc ctgggctcca tcggcggcca 300

ggactggtac ctcggcgtgg ccaagccttc cgtcgtggac gagcacggt 349

<210> 7261
<211> 250
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016c11b1

<400> 7261

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ggcggaggac gcgccgggca ccaccggccg gccgcggtgg ctgacgcgcg tccgcacgct 180

cggccggggc gcgtccggcg ccgtcgtgtc gctcttcgcg gccggcgacg gcgacggcga 240

cgagctgctc 250

<210> 7262
<211> 466
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016d04b1

<400> 7262

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gtgcttggcc ggaaggccgg cgcggctgtg gaggcacggc cagcaccggg gaagtacgcg 180

gtgatcatgg atgccggcag cactggcacc cgcgtccacg tcttcaggtt cgacaagagg 240

atggagctcg tcgacgttgg cgacgacatt gaggtcttcg ccacggtgaa tccgggactg 300

agctcgtacg ccggacggcc acaggacgct gccaactcca tcatgcctct gcttgagaag 360

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gctggactca gactcatagg agacgagcac gcggagcaaa ttcttg 466

<210> 7263
<211> 263
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016d06b1

<400> 7263

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ggtcctggtg ctcgcgctgt ggatcctcta cttcctgttc ccgctcatct cgctgccgct 180

gctccacccg atccagatca tcatccgcgc cgacgccgtc cgcatgcagc tgctggggtt 240

catcatcgcc ctcttcgtct ccg 263

<210> 7264
<211> 351
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016d10b1

<400> 7264

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ctgatggacg agacgccgac gaccggcaac aagacagcgg tcatggtagc cgacaacgcc 120

gccaatccta tcacgtggat ggtcaagttc gcggtggcca tggtgaagat gggaggcatc 180

caggtgctca ccgggaccga ccccggcgaa gtaaggaagg tctgcttcgc caccaacaac 240

gcgagctaga atccgtggag ctgcatgtac gatgactaaa caaaagtgca cctgggcagc 300

tagagccggt gctcttagtt ggtttaatcc tttttgtttt ggtttcattc t 351

<210> 7265
<211> 420
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016d11b1

<400> 7265

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ccattgcttc tatggaactc ttttgtttgg cttatgaagg cacattcatc ctgcaagtac 180

aatcatgatt aagagttaga atgcccctgc acatccgttt actttcttac attgattggt 240

ggttcttatg ccttgtataa tacgccttct cacataatag tttggtaaag aaagaatgaa 300

ctcactcctg aattttgcac taattatata cttatttcac tattaataat ttgtatttgc 360

tatatctttt ctcatgagtt cgtcaagtac ctttctaaac atgcttagat gctttttttgt 420

<210> 7266
<211> 406
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189016d12b1

<400> 7266

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tttgcttgca aggacccaat ggccgcaacc ccggaagact tcttcaacgc agccatgctc 180

gatcagccta gggatactaa ggcgagcaag gtcaggtcta acgtcaccaa catcaatgtt 240

ataaatttcc ccggcctcaa caccctcggc atctcgttgg cacgcatcga ctatggacca 300

ttanggtgtg aacacgccac acatacaccc ttcgtgccac tgagctcctc acggtgctcg 360

aggggacact ctaccttgga tttgtcacat ccaacccaaa caggct 406

<210> 7267
<211> 196
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016e03b1

<400> 7267

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gagcttggaa ctgtgatgcg ctcgctgggg cagaacccca ctgaggcaga gcttcaggat 120

atgatcaatg aagtggatgc tgatggcaat ggaacgattg actttcctga agttcctcaa 180

cctgatggca cgtaag 196

<210> 7268
<211> 339
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016e04b1

<400> 7268

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tgccgacgcc ggcagccagt ggaacactgg tcagtggacg ggtctcgtaa gccgccatcc 180

ttgttgacat atcatggagt tgttcctgga gggttgcaag ttgctcttga tgcagcgccc 240

atattttggt gtcaggaagc gtgaactgat actcggtggt aggttcggca ccagacatgg 300

aatctgatac caaattggaa caacccctgg gtctgatgg 339

<210> 7269
<211> 290
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016e05b1

<400> 7269

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tcggccagtc ccacccggtg aagctcgtgc cattcaaccc ggagtacctc gacgagtccg 120

tgatgtggac ggagagcggc gacgtcggca agggcttccg ctgcattcgc atggtgaaca 180

acaatccgcc tcaactttga cgccctcaac ggcgacaagg accacggcgg cgtgcacgac 240

ggcaccaccg tcgtcctctg ggagtgggcc aagggcgaca accagagctg 290

<210> 7270
<211> 245
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016e06b1

<400> 7270

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tgaaaatgct ttgagggctt actttcggct atgctttgag atttgagcgt tttctttgtc 120

ctacatatcg gtgcatttac ttgggttaat tgtgcaagtt gcaagaataa gtggccctat 180

gtgaaatagt atactctttt tattagtgga acttgtttaa cgcagaaaaa aaaaaaaaaa 240

aaata 245

<210> 7271
<211> 362
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016e10b1

<400> 7271

tcttagcaat ccaatagaaa actaaataca tcaccagcat caatggccaa gtcacaggca 60

ttggctgcaa cattgttgct tgtcctggtg gtgtccctcg ccgcaataga gagtgttcat 120

ggcgtttgcg gcatgtcgaa tgatgaattc aagctttgtc agcctgcagc ggcagtgaat 180

aacccaacag gcagtccatc tgccgagtgt tgtgccgcgc taggaaaggc aaacctatgg 240

tgcatctgtc gctacaaagg catggccggc atatggctga aaatgtacca tattgacgca 300

cgccgtgcca tggcactgcc aggcaagtgc ggccttacca tgccaagcaa ctgcccttga 360

tg 362

<210> 7272
<211> 423
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016e11b1

<400> 7272

tgctccacgc gtccgcccac gcgtccgcgg acgcgtggga cccggacatg ggcgagaact 60

tcgcatacta ctgggagacg cagcgctacc tcgagtcaga ggagctcgtt gacagcatct 120

tcgtcggggc gaccgaagac gccatctcgt actacgactc cagctcgccg gacggttccc 180

actcgtcctc gacgccgatg ggggcggcca tgccaggggc ggggatgggg atgggcggca 240

ctggggcgaa caagaacata ctgatggaac gcgaccgccg ccgcaagctc aatgagaagc 300

tctatacgct ccggagcgtc gtgcccaaca tcaccaagat ggacaaggcc ttcgatcatc 360

aaggacgcga tcgagtacat ccagcagctg caggcagagg agcggcagat ggaggcggag 420

gtg 423

<210> 7273
<211> 351
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016e12b1

<400> 7273

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ccccatggcc ggctaccccc caccccccgg ctccggctac ccctacggcg ccgctggcgg 120

ctacggagcc ccaccgccct ccggccagaa gccccccaaa gaaggcaaga cctcttcctc 180

ctccggcccc gacccctacc acggtgctcc gccccccgcag cagccttacg gcggaggcgg 240

cggcggctac ggagccccac cgtcctacgg ccagaagcct cccaaggaag gcaagacctc 300

ctactcctcc ggctccgacc cctaccacgg cgctccaccc ccgcagcagc c 351

<210> 7274
<211> 115
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016f02b1

<400> 7274

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gcgcaaccca aaagtcaggg aggcgcggca caaagctcac aaagcaagaa aggcg 115

<210> 7275
<211> 148
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016f03b1

<400> 7275

cttctcgatc tagctagagc catggcgccg accaagggcg aggggccggc catcggcatc 60

gacctcggca ccacctactc gtgcgtcggc gtgtggcagc acgaccgcgt cgagatcatc 120

gccaacgacc agggcaaccg caccacgc 148

<210> 7276
<211> 304
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016f04b1

<400> 7276

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atcagtggca aggaggatgc agccaacaac ttcgcccgtg gtcattacac cattggcaag 120

gagattgttg atctctgcct agatcgtatc aggaagcttt cagacaactg cactggtctg 180

cagggattcc ttgtcttcaa cgctgttgga ggtggaactg gctctggcct tggttcgctt 240

ctcctggagc gtctctctgt tgactatgga aagaaagtcc aagcttgggt tcacagttta 300

ccca 304

<210> 7277
<211> 353
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016f05b1

<400> 7277

tgtcacacga ggcttgagag agagagagag agagagagag agagattacc atgtgaacag 60

gcccttcttt cccctgcttc gggccaagct taccgcgacg acgatggcga ggctgctgct 120

tctcgggttc tccctgctgc tgctcacggg gctcaggccc ggccgcgctt tcctcgtcgc 180

ggaccctcag cccgacgtct cagacgacgt gccggcgctg ctcgccttca agaaggccat 240

ctacgacgac ccactcgcga ggctgtcgga ctggaactcc agcgacccgg atccctgcct 300

gtggttcggc gtcacctgct cggatttcga cgcccgcgtg gtgactctgg act 353

<210> 7278
<211> 359
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016f06b1

<400> 7278

tggtgatgtc tttccggaat ctctccgttt ggagttcgag aggacggcaa gtcgaaggcg 60

tcgatttcga gccaaattca catgtccaaa gatttgtgga cggttgcaat cagatgagat 120

accaattggt agcaaagatg gcagtgcagt tactgttgcg gcggagaaca ttgtttttca 180

cgatgcagcg gtttctgaga aagtaacact gggttcattt gccggagact acgaccaaga 240

tgatgacaat gcggcagctt taggtgaata ccttaagcga ccagtgcgct tggcgagtta 300

tgcatgggct caaggaggaa ggttttgcac agagcattac cccttgggcg gcatatttt 359

<210> 7279
<211> 386
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016f10b1

<400> 7279

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gagctgcccg ggccgccgga gctgagctga gctgctctga ccgccggagg cgaagaagaa 120

gaagaagaag agcaagaaga tgaagcggaa gacgcggaac aagatcgtgg tgacggtgct 180

gctgctgggg gcggcggcgg tgctgatcgg cggcacgctg gcgctgatcc tgacggcggg 240

cacctggaag gtgaagctca aggagtcgca ggagaaggtg tgcaacaagg ggtggggagt 300

gctccggcac caagtactgc tgcaaccaga ccatcaccga cttcttaagg tgtaccagtt 360

cgagaacctc ttcgccaagc gcaact 386

<210> 7280
<211> 384
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016f11b1

<400> 7280

tcttccacgc gtccgcccac gcgtccgtgt gatctgacaa tggagttcaa gaaaccaaaa 60

agtaaatgca atgctgctgc agctgcaagg aaccgtcatc tttgtgagaa ccttgcggac 120

agttgctttc ctattaatca agggcattct gccagccgac ttcatgaatt tttcttgcgc 180

caattctgtg atgctcatac ttgcaatggg ggctccaaac ctttccccaa aggtggcagg 240

aaacaaacaa acagattcta cctggctctc tgcatcttga caatgctgct tttgcctgtg 300

ttctatctca tagtattttt acaccagagg gaaatgaaga agggagatca agttttcaaa 360

cgaatcggaa aacccgtgca caag 384

<210> 7281
<211> 157
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016g01b1

<400> 7281

ggcggggccg agctgcccta caacaccacc gaggacgccg gcaacgccac ctctttctcc 60

ggctacccgc agacggacct cctcacgccg attgccaccg ccggcgacat cacgcagatc 120

caggcctcgg tcggattggt cggcacgctc ttcgccg 157

<210> 7282
<211> 322
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016g04b1

<400> 7282

gcgtccgccc acgcgtccgc ataaacgctc ctgcaagcga gaccttcctg ccactccccc 60

gtgtggtcaa tgtcatggtg gccggagccg ccccgacacc atcgcttctt gcggcgctgt 120

ctatccgtgg tttccgtgtc acccacactt acggcctgtc tgagacctat ggcccgtcga 180

cggtgtgcgc gtggaagccc gagtgggacg acctgccgct ggaggagcgc tcccgcctgc 240

actgccggca gggcatcagg tacaccgcgc tggaaggctg gacggtggtg atcccgagac 300

aatgatccct gtcccggctg at 322

<210> 7283
<211> 298
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016g05b1

<400> 7283

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gaatgctttc tccccacgtt ctgggtgtgg atcactacaa cactgcccgt ggtgtccaga 120

aggttcttca gaactacaag aatcttcagg atatcattgc cattttgggt atggatgagc 180

tcagtgagga tgataagatg acggttgctt gtgcaaggaa gatccagaag ttcctgagcc 240

agcctttcca tgttgccgaa gttttcactg gtgctccagg aagtatgtgg atctaaag 298

<210> 7284
<211> 140
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016g06b1

<400> 7284

tggacgcgtg ggtttggttc gggcttcggg ggaaaggtaa ggccggggcg gggaggaagg 60

cccacaagcc aatttgggat tctttttctt cccttcaggc ccgggattcc ggcccttggc 120

ggctggccga acgggctggt 140

<210> 7285
<211> 364
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016g10b1

<400> 7285

gccgcctgct ccggggctcc caccgcggac accattgcag acaccagctg cgcggccgag 60

gcgattgttt gcacgacgtc catggcttcg cctcagggca ccaacacaac tcctgataga 120

gtcgaatcac cacaccgacg aagccttttc ttgcaagaat tcaagaatca gttccctgct 180

gtcgcaattc cacaaacaaa tggcatgcat gctcccggtc gcaggtacgg gtagcaaaat 240

ccccctttct atcaacctgg gtatcagacc taccgatcat ccgcttcaac ccagaaatca 300

tccgtccaaa gccaaacccc aatcgtcagt ccgaatttcc aaaaccgcag cacgaatcgt 360

gaca 364

<210> 7286
<211> 210
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016g11b1

<400> 7286

ctccccaacc agcgaggaag aggaagagga agcggatcga gccggcgaga gcgagggcga 60

ggacgatggc ggcgctccgg ctagcgggga ggagattttg cgaccgcgcg ctcgggagat 120

cagcgggcat tcacgagctc aaggctgcca aggaattccc cgacattgat cctgggcatc 180

tcaaggctgc caggaaacac cccaaacttc 210

<210> 7287
<211> 68
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016h01b1

<400> 7287

cttgcaccaa gagcttattt gttttgagct tccatcattg cattcatctt tcttggattt 60

gctccatg 68

<210> 7288
<211> 200
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016h02b1

<400> 7288

tgcatacatc gactttgaga agctggaaga tgccattttt gcccatagag ccttgaatgg 60

ggcagattta gggggcaagg aattgtgtgt tgatttccag aggtccagag gcagagcgga 120

acggttggaa gcaggcaact tcaacagtag aggatcattg ccacccggtg aaatgggagt 180

tggacatgca aagggtttct 200

<210> 7289
<211> 159
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016h03b1

<400> 7289

ttttatgaag gagcaggaga tgtaaaggca attgtaaatt ttgctctgtc gcaggtcaaa 60

ggtcttctca gagataggtt ggatggtaag acatcaggag gttcaagtgg caaaacctct 120

ggtggctcaa gggagaaaaa aactgaacca aatgaatca 159

<210> 7290

<211> 244
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016h05b1

<400> 7290

gggcgctcct ccccgcctcc ggcagcggcg gcgccggcgg cggggagcgc ttgagcatcg 60

acgacgcgct ggcgctgcac gcgggggagt tcgggcggtg gcagctgtgg cacttcctgc 120

tggtgacggc ggcgtggacg ctggaggcga tgcacaccat ggtgatgatc ttcgccgacc 180

gcgagccggc catgtggtgc cccgcggggg accgggcggt gccgcgaccg ctgcgccggc 240

gccg 244

<210> 7291
<211> 261
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016h06b1

<400> 7291

gctcttggtt ggttgatcac caatggtgca ggtcttgcat cttaccccat tgacactgtc 60

cgcagaagga tgatgatgac ctccggagag gccgtcaagt acaagagctc cttggatgct 120

ttccagcaga tcctgaagaa ggagggtgcc aagtccctct tcaaggggc tggtgccaac 180

atcctccgtg ccattgctgg tgctggtgtg ctctccggct atgatcagct ccagatcctc 240

ttcttcggca agaagtacgg c 261

<210> 7292
<211> 271
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016h08b1

<400> 7292

tttctcacgc gtccgccggc ggcggcgcgt agaacaggag aaggagcagg cggcggcggt 60

gcccgaagag gagaagcacg gcgacctagc ccgagctcgc aaccatggct aggggtttga 120

agaagcatct gaagaggctc aatgccccgt ctcactggat gcttgacaag cttggtggag 180

cttttgcccc caagccatca tctggtcctc acaaggccag ggagtgcctg cctctgatcc 240

tcatcctgag gaacagactg aaatatgctc t 271

<210> 7293
<211> 311
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016h11b1

<400> 7293

cccgccgcca ccgccggcaa ccaccggatc cggagaagaa agaggcagcg cccggcgaag 60

cgaagcgggg gaagagatgg tgggcactcc gtcctcgccg gtggtgaacg tgtacccgct 120

cgccaactac acgttcggca ccaaggaggc caagatggag aaggacacct ccgtcgccga 180

ccgcctcgct cgcatgaagg tcaactacat gaaagaagga atgcgaacaa gtgttgaagc 240

aatcctattg gtgcaagagc acaaccaccc ccacatacct gttgttgcaa attggaaaca 300

cattttgcaa a 311

<210> 7294
<211> 401
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189016h12b1

<400> 7294

gggcgccatt attgcagagc ttttttcaca ccgacctctt ttccctggct caagtgaagc 60

agacgagata tacaaaatct gtagcattct tggcacacca aatcagcata cttgggctgg 120

aggactgcag ctggcagcat ctatcaattt tcagtttcct cagtctggaa gcataaatct 180

ttcagaagtg gttcccacag caagtgaaga tgcgctgaac cttatttcgt ggctttgctc 240

atgggaccca cgtaaacggc caaccgcagt ggaggttttg cagcatccct tctttcagcc 300

atgcttctat gtccccccct cacttcgttt cagatcgacc ggatatgcaa caacaccacc 360

atcagttggg gctaaaggag ctatggacca gaagaatgct a 401

<210> 7295
<211> 382
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017a01b1

<400> 7295

tccacgcgtc cgcccacgcg tccggccacg cgtccggtgg actccgtgtg ggcggagcga 60

agtgggagcc aacgccaagc cagccgagcg gactcctctc ctcctcgcag cagttcgcga 120

ttcgccccca aatccagcgc cctccccgcc ggaatccggc gccgaatctt gcagagagct 180

tgaaccgagc tatggacaac ttgtggcatc tcggagatga gttccgtggg caatcaaagg 240

tggtggagga ccgccaatgg tctctcatga catcaaagct ggctgagatc acaaagtcaa 300

aggctgagag gatgaatgac tttgagtatg cacggatgaa caccgtccct gatgtgaagc 360

aatgggataa gttatcctac ca 382

<210> 7296
<211> 358
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017a02b1

<400> 7296

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cggcgtcatc gacaacatca agacccagct ggagagtgta tgcaagcaga ccgtgtcctg 120

cgccgacatt ctgaccgtcg ccgtccggga cttcggtgtc gcccttggag ggccatcgtg 180

gactgtcccg ctggggagac gggattccac caccgcaagt gcctcgctgg cgaacagtga 240

cctccctggc ccgagctcta gccggtcaca gctcgaggcc gcgttcctca agaagaacct 300

taacacggtc gacatggtcg cgctctcagg cgcgcacacc atcgggaagg cccagtgc 358

<210> 7297
<211> 450
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017a03b1

<400> 7297

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cagttctcgg agctggtgaa cgacctctac aacaacggtt tgccttccaa cctctccggc 120

gggcgcaacc cgagtttgga ctatggcttc aagggagctg agattgccat ggcctcatac 180

tgctccgagc tccagttctt gggcaacccg gtgaccaacc atgtccaaag cgccgagcaa 240

cacaatcaag atatcaactc tcttggtctc atctcctcca ggaagaccgc cgaggccatt 300

gacatactca agctcatgtc atccacattc atggtcgcct tgtgtcaggc catcgacctc 360

cgccatctcg aggagaatgt caaggatgcc gtcaagaact gcgtgaagat gacagccagg 420

aagacattga gcaccaccaa caatgggcac 450

<210> 7298
<211> 167
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017a06b1

<400> 7298

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gccaactata gtaccaggaa acctctgctg tggcgcctat tcaccttcaa accttatcct 120

gaatctaact ggagatcttt taaggtgcgt tgggatgagc cgtcaac 167

<210> 7299
<211> 336
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017a07b1

<400> 7299

acgcgtgcgg tggctctgaa tccacttaac tattgactga gaccacgatg gaaaccagag 60

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tggcatccga tgctgttggt actttggatg acaaggtaga tagtgacggt gaagacatca 180

tcgatcatca cgtggatgag gacaggatca ccgaagtgga gctgtggcaa caacttgaaa 240

acgagctgta ccggaaaagg gaaggggaga acaacatatt ggaagagatg actgaaagta 300

acatctgcga ggaagttggc ggcagagctc aagatg 336

<210> 7300

<211> 416
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017a08b1

<400> 7300

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acaatacata ttatgtacag aattattcag gagttcttta gccacatcca aatagcgggt 120

ggcagacatg catggcgtag caaatttagc aaatgcataa gttatacagc aagcattttc 180

tgttgcggct tcgcatcttc gctgctgata ccacaacgac gatggagcct agccgactac 240

tacggtacta ttgaagtttc tttctagcga tacaccgaaa ccaagatcga ctccacgagg 300

gctgacgatc agaccagaac agagcctact cctccttcga ggcgtgcatg gcggacaccg 360

tggagaccat ggagtcgacg ccgcacttgt tgcgcacgtt ggagcccctg cagatc 416

<210> 7301
<211> 485
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017a09b1

<400> 7301

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tgctccgcct gcccggccgg cggcgcgcgg cgtccgtccg cgtctccgcc tccgcctccg 120

gcgccggcga gccggacctg tccgtgaccg tgaacgggct gaagatgccc aacccgttcg 180

tgatcggctc cggccccccc ggcaccaact acaccgtcat gaagcgcgcc ttcgacgagg 240

gctggggcgg cgtcatcgcc aagaccgtgt ccttggatgc tggaaaagtt atcaatgtaa 300

ctcctcgcta tgctcggctc agggcagatc ctaatggatc taccaagagt ccaatcattg 360

gatggcagaa cattgaactt atcagtgatc gacctctcga gacaatgctt aacgagttca 420

agcaactgaa gaaggaatac cctgatagga tactcattgg ctcaataatg gaggaataca 480

acaaa 485

<210> 7302
<211> 369
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017a10b1

<400> 7302

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tgccatcaag tgcccggcga ttgaggtggt ggttgtggac atctccaagc cccgcattga 120

cacgtggaac agcgacaccc ttccgatcta cgagcccgga cttgatgata tgttgtacaa 180

ggcttgcagg gggaagaacc tcttcttcag cactgatgtt gagaagcatg tcgccgaggc 240

cgacatcatc ttcgtctccg tgaacacccc caccaagacc cgcggtctgg gagccggcaa 300

ggctgccgac ctcacctact gggagagcgc cgcccggatg atcgccgacg tgtccaagtc 360

cgacaagat 369

<210> 7303
<211> 215
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017a11b1

<400> 7303

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cgcgttttcg aggagggcac acgcgaccgc ccctacggcc actgcctcgt cgccggccta 180

gccaagtacc ccaagaaggt gatccgcatg gactc 215

<210> 7304
<211> 310
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017a12b1

<400> 7304

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ttcctcacgc acaccgccgg tcggatgctc gccacgctcg agctcagctc caccccaatc 120

aacaccaagg gctacgagac gctgctccgc ctcgtggaca atacctgcag cgacagcttc 180

gacctctaca acggcctctt catgtacaac aagaactcga cggacctgct caaccgcctc 240

gagtccgtca tggactccgt caaaaagagg ctcttcgacg gccctcacga ggtgctccgg 300

aagcagctct 310

<210> 7305
<211> 440
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017b01b1

<400> 7305

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cgagatcatc gccaacgacc agggcaaccg caccacgccc tcgtacgtcg ccttcaccga 180

ctcggagcgc ctcatcggcg atgccgccaa gaaccaggtc gccatgaacc ccatcaacac 240

cgtcttcgat gcgaagcgtc ttattggcag aaggtttgct gatgcccctg tccagagtga 300

tattaagatg tggccgtaca aggttattcc tggccccgca gacaagccta tgattgtagt 360

gcagtcaagg gtgaggacaa gcagttctca gctgaagaaa tttcttccat ggtcctcatc 420

aagatgcgtg agatcgctga 440

<210> 7306
<211> 305
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189017b02b1

<400> 7306

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aacgccccat ctcccttgga ggctcggacc ttgccgccgn gccccccccc ccccccctac 120

ccacccccttg agcgaggagg aggtcggtag gcatccccag atctgttaag ggattcgaac 180

tggagctctc gatcgctcac gcgccgggca caacctccgt ctgctcttat tgctcgccgg 240

cgacgcgagc atggagcttc ctccgtgctc gcttgggctc gggacaccgc tgctagtcaa 300

gacac 305

<210> 7307
<211> 387
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017b03b1

<400> 7307

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cggggacaac ttctccggca tgccggtcgt cgacctctcc agccctggcg cgccgcgggc 120

catcgccgac gcgtgcgagc gcttcggctt cttcaagctc gtcaaccacg gggtgcccgc 180

ggacacgatg gacaggctcg agtcggaggc cgtcaggttc ttctcgctgc cgcaggccga 240

caaggaccgc tccggcccgg cctacccgtt cggctacggc agcaagcgca tcgggctcaa 300

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cgcctgcgcc gtcccgtcct gcgcgct 387

<210> 7308
<211> 305
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017b04b1

<400> 7308

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attggactgg gtggttcctt ttcaacaaaa gaaaccgaga ttagatgtac aaaaggaaca 120

gaaactcttt ggtcagatcg catctccgga aaagttactg tcttggctgg taatgcaaac 180

ttctgggcag ttggctgtga agatggctgc ctgcaggttt acacaaaatg tgggatgcga 240

gcaatgccag cgatgatgat gggctcctcg gctgttttta tagattgtga tgactgctgg 300

aaatt 305

<210> 7309
<211> 211
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017b05b1

<400> 7309

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tcggcgaggc cacggggctc gaagtcagag tcaccggtat tcagtacgcc ttcgcgccgt 120

gcatacgagg tgtgcagaga tccgaggtgg gggcggtgct acgagagcta cagcgaggac 180

cgccggatcg tgcagtccat gacggagctc a 211

<210> 7310
<211> 340
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017b06b1

<400> 7310

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cttttgaagt cagcgaggga tcccccttatt tgctctcgcg ctacttctgg ttcatatatc 180

gcataaaatt ccgggacttc acttgataca agtggatcat ctggagtttt gtgcgaatac 240

ttcctatcat gtgaatcagc ggtagttggc ttaattggca agactcaaac ttctctcatc 300

tgagttcaga aacatttgtt gcttgagtct ttggtgtact 340

<210> 7311
<211> 396
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017b07b1

<400> 7311

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gcacggcggc gcagggcggc ggcgcggacg agaaggacta caaggagccg cccccggccc 180

ccttcttcga ggccggggag ctcacctcct ggtccttcta ccgggccggc atcgccgagt 240

tcctggccac cttcctcttc ctctacatct cggtgctcac cgtgatgggc gtggtgggca 300

acccgtccgg gtccaagtgc ggcaccgtcg gcatccaggg catcgcctgg agcttcggcg 360

gcatgatctt cgtgctcgtc tactgcaccg ccggca 396

<210> 7312
<211> 411
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017b08b1

<400> 7312

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tacgaagcac gcctcggcta cagcattgaa gaccttcgac ctgctggagg cgccaagaag 120

ttctctgctg catactcgaa ctgcgcgaag aagccatcct gatatcgttt ttggcatccc 180

cttctcgtag tttaggattg ttatgcaatt ttattctgac tcttttctcc caccaatctc 240

tctggcttgc tgcttcacga taatcgacca gttctctagt ctttctccct ctgttcctct 300

ctgctctgct ctctgactcg aactgcaaca atggctgccc cgacctctgc gatcgggttt 360

gagggctacg agaagcgcct cgagatcacc ttcttcgagg catcaatctt t 411

<210> 7313
<211> 400
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017b09b1

<400> 7313

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ctgtcaaggt gttatctgtc gaatcaacac aaggactaat ggagtttctg aatgaactga 120

tgtcaatttc caacatatct catggcaatc ttgtcagcct ttatggctat tgtgtggaag 180

gaaaccagag gatccttgtc tacaattacc ttgagaataa tagccttgca caaacacttc 240

taggttctgg ccgcagcaat atccagttca attggagaag tagagtaaat atttgccttg 300

gtatcgcccg aggattagca tacctccatg atgatgtcaa tccccacatt gttcatcggg 360

atatcaaagc aagcaatata cttcttgata aggatctcac 400

<210> 7314
<211> 330

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017b10b1

<400> 7314

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gacgtccggc aatggccgcc ggggccgcaa gtacaggtac gaggaggacg acctggacgc 120

ggagaccgcc aggagcagca agctgatgat gccggacagc gaggagaccg gcgcgcgcga 180

gatgttcgac gaaataatgc tggaggggta cgagacgtgc atgcgaggga tagaggagct 240

gcgcctcgcc atggacagcg aggccaagaa gaagaacggg aaggcggcgc gcgcgaagaa 300

aagcgaggtt gtcgacctgc gcaccatgct 330

<210> 7315
<211> 380
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017b12b1

<400> 7315

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ccacgctggc gtcctgcctc ctcggcttcg cgctctactt ctacgcgccc tactggggag 180

tccgcggcgt gccgggccct ccggcgctgc cggtcgtcgg ccacctgccg ctgctcgccc 240

tccacggccc cgacgtcttc ggcgccctcg ccaggaaata cggccccgtc ttcaggttcc 300

atctggggag gcagactctg ggtgatcgtg gccgacccgg aactgtgcag gaggtcgggg 360

tccggcagtt caagagcatc 380

<210> 7316
<211> 423
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017c01b1

<400> 7316

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cctccgcctc cgccctcgac gatgggtctc tgggatgcca tgtaccgcgt ggtgatgcgc 120

cgtaacggcg tgtacgtcac cttcgtcgtc gccggcgcct tcgctggcga gcggctggtg 180

gactacggcg tcaacaaggt ctgggagatg aacaacgtcg ggaaacggta tcaagacata 240

tcagttctgg ggcaaaggcc ggttgaggag tgaagacatt gaagcccaga tttcccatga 300

tcttttaagt gaaattaggc accttataaa gctccatgtt ttggcatttt cttttggcac 360

aataatattg taaaactctt gctgggtgtt attcactctc tctgagcact atggcaccca 420

tct 423

<210> 7317
<211> 437
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017c02b1

<400> 7317

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gagttcgcgg cgctcaacgc cacggcggcc ggcgacgacg aggaggacct gcggctggcc 120

ttcaaggtgg tcgacgcgga cggcagcggc gacatctcgg ccgcggagct ggcgagcgtg 180

ctccacggcc tcggcgagaa ggcgacggtg cagcagtgcc ggcgcatgat cgagggcgtg 240

gacaagaacg gcgacggcct catctccttc gacgagttca aggtcatgat ggcctccggc 300

ttggccgcca agatggcctg acccgtccat cctcttgttg attcagcgat ttcgtccacg 360

cctccctccc tccttcctct cgcgtgccgt gcggtgcggt gcggattaag tgcgaattaa 420

gtgtacataa ttcaagg 437

<210> 7318
<211> 172
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017c03b1

<400> 7318

cccacgtttc cgcgaattct gtacattagg ttgtcctttt tcatttgtta caagcagcta 60

tatgtcatgt tagattcgtt tgagtgagta atggaacttt taggtctact tggcatgcca 120

ctgcaactta ctgttaactc ttactgcagt tatatttcat gttagattgg ac 172

<210> 7319
<211> 340
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017c04b1

<400> 7319

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gaaggagcga ctcggcagga cgccgggggg caggggcagc agccagccgc gcctggcccc 120

gtgctctgca ggcgcccatc ggcctcgacc cggccgacgg caggaggagc tcgagccgaa 180

gccgaggagc ggggccttga tccggacttg actgcctact ggagcagctg gagagaagtg 240

gtggatccga cggggctgga atccctcatc accgggcgtg gaggatgtat gactcgcgaa 300

ggaggtagca gattgagcaa aatggagtgg cctttcccat 340

<210> 7320
<211> 340
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017c05b1

<400> 7320

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agaaagtgtt cgtccccacc gacgacgagc tgctccaggc gcagtgcgac ctgtggcgcc 120

acagcctctg ctacctcacg cccatggcgc tccgctgcgc cgtcgacctg ggcatcccca 180

cggacatcca ccggctacgg cggcgccgcg tccccgtccg agctcgtcgc cgccctgtcc 240

ctgcccgcgt ccaagctgcc gttcctcgcc cgcctgctcc gccagctcgc caccgcgggg 300

cgtcttcacc tccaccgacg ccgtaacgta ccggcttaac 340

<210> 7321
<211> 401
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017c06b1

<400> 7321

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acttcttcaa cgagaacgag cagctggcct tcggtccggg gctcgtcgtg cccgggatct 120

actactcgga cgacaagatg ctgcagtgca gggtgttcgc ctacgccgac acgcagcgct 180

accgactggg gcccaactac ctgatgctcc ccgtcaacgc gcccaagtgc ggcttcaaga 240

acaaccacta cgacggcgcc atgaacttca tgcaccgtga cgaggaggtg gactactacc 300

cgtcacgcca cgcgccgctc cggcacgccg agccggacag cttccccgtg cccacgcggg 360

ccgtcgtcgg aaaaagggag aagacgagga tcaagaagga g 401

<210> 7322
<211> 311
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017c07b1

<400> 7322

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agaaggctgc gcccaacgga gacgtcgcgg gcgaggaggt caccctcgcc gacgccgtcc 180

accccgccaa gtcctacgcc gccgtcgccg ccaacgccga gatcgaggac ctccgcgcca 240

ccaagctcga cctcgaggag cagctcgcca acgccagcca ggagaacaag accctcgccg 300

cggaggccca c 311

<210> 7323
<211> 361
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017c08b1

<400> 7323

ttgcaaatca ccgggtggtt ctattgtatg atgtccagac gcataatgtt gatatgcagc 60

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gtccttcaga tgatatgttg ctgtggaacg gggtcctgtg ggatagacga agtcccactc 180

ctatccatca gtttgaccag ttcacagact attgtggcgg tggctttcat ccagctggaa 240

acgaggtgat tctaaattca gaggtgtggg atctgagaaa gtttaagctt ctgaggagtg 300

tcccatccct ggaccagaca gtaatcaaat tcaatggagg ggtgatgtta tctatgctat 360

c 361

<210> 7324
<211> 381
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017c09b1

<400> 7324

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tcctgatact cttggcgtgt acagcaacct ggctgcgatc tatgatgcca tgggaagggt 120

ggaggacgcg atcgagatcc tggagcacgt gctgaaggtg cgggaggaga agctgggcac 180

ggcgaacccg gacgtggtgg acgagaagaa gcggctggcg gagctgctga aggaggcggg 240

gcggtcccgg aaccggaagc agaagtcgct ggagaacctg ttcgggtccg gcggtgctgc 300

gcggggtgcc aagaaggacg gcgccggggg caggcggtgg accaacttcg ggttcagggg 360

ctgagctgat gagaagaaaa c 381

<210> 7325
<211> 322
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017c10b1

<400> 7325

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ctatggaatc cggccgcctc attttcggtt cggccgcgcc gtgccgcgct gccggcggcg 180

gaggaggtca gatgatgctc tttggcggca gtgggagctt ccttggaggc tcgccggtgg 240

tggccggcgt ggaggacggg cggcgtaaga ggccgttctt gacaacggtg gacgaggagc 300

tccagatgga cgaggagatg ta 322

<210> 7326
<211> 378
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017c11b1

<400> 7326

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cctgacagtc cttattgttg gccgcctact ctgtgggttg ggttctgcaa gagctgtcaa 120

ccgacggtac attagtgatt gtgtccctgc aaggatacgc atgcaagctt cagcaggatt 180

cgtaagtgca agtgcacttg gcatggcttg tgggccagcg ctggctggtt tacttcagtg 240

gagatttaaa atctacatgg ttacgttcag tcagtcgact ctacctggtt ggttgatggc 300

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cactgaggca gatgatac 378

<210> 7327
<211> 394
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189017c12b1

<400> 7327

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gccacctccc accaccgcca cctcgtccgc cccgccgccg cggcccctcg cgtgccgctg 120

cgtcccctcc gcttcgccgc cccccgatct ctcccgagga tttgttgcca atctatcaac 180

tcagctaacg tcttgggagc ttcctcaatg acagctgacg acgcagttcc acaaccagtt 240

gtactgatag accaagactc agaccgtgat gcaaccattg tgcagctgag ttctggagca 300

tcgtttgggg gcactacttg atacgatgaa ggcactcaag gacctgngcc ttgatgtgac 360

gaaggaagtg tggcaactga ttcatctgtc acac 394

<210> 7328
<211> 297
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017d01b1

<400> 7328

ttttgacgag caggtggtga aggatgggta ccaatggcgg aagtacggac agaaggtgac 60

caaggacaat ccgtgcccga gggcctactt ccggtgctcg ttcgcgccgt cgtgccaggt 120

gaagaagaag gtgcagcgca gcgccgacga caagaccgtg cttgtggcca cgtacgacgg 180

cgatcacaac cacgcaccgt cgcccaagca acaaggctct ggtggcagga agaggggcgg 240

cgcagccgtc ctccacgtat caccggcgcc ggtgcttgtt caggagcagc ggaagca 297

<210> 7329
<211> 413
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017d02b1

<400> 7329

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gtgcttgact tggtccctgt gaagaccgtt gatggcagcg ctcgcagcct gccggcgccc 180

ctgcggatcg cagacctgtc cccggcgccc atgcacggct cggagctgcg cgtggcgtac 240

cagggcgtgc ctggggcgta cagcgagaag gcgtccggaa aagcctaccc gggctccgac 300

gccatcccgt gcgaccagtt cgaggtggcg ttccaggccg tggagaactg gatcgcggac 360

cgggccgtgc tccccgtgga gaactcgctc ggtggcagca tccaccgcaa cta 413

<210> 7330
<211> 434
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017d03b1

<400> 7330

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gctgctcttc gcggcgggcg cggcggcgca gagcggctgc ctctccgcga ccttcacggg 180

gggccgcacg ttcctcaagt gcaaccagct gcccgtgctc ggcgccagcc tccactggac 240

gtaccacgcc gggaacggca cggccgacat cgctttccgg gcgccgtccg gcgccgacgg 300

tgggtcggct ggggcatcaa ccccggcagc agcggcatgg ccggcagcaa cgtgttcatc 360

gccttcaact ccaggctgca ccgccgtaac ctcacggagt gctaacggcg tgggaggggc 420

gtgctgatcc cgct 434

<210> 7331
<211> 460
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017d04b1

<400> 7331

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acctctccgg cctccaccca ggagagccct aagccggaag cgccttaccc ttaagctctc 120

ttgacctctc cccatggcgt ccgcgtggtg cctcttggcg ccggccgcca ccggcgcggc 180

gccgggcgct ctcggcgtct ccgcctccga atccagaggc gtcttcgccg cgcgggcggc 240

ggtccctgag aggacgcggc gcaggtggga ctcgctcgtg gtgtgcgtgg cccccgacga 300

ggagaagatt acgcggcgct cgcccctcga tttccccatc gaatgggaga aacctaagcc 360

tgggaggaga cctgacatct tcccaaagtt cagccctatg aaaacaccat tgccccatcc 420

attaccagct gatgatcctc tggatgatga tgaggaagaa 460

<210> 7332
<211> 432
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017d05b1

<400> 7332

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gggcaaagaa cataaaaatc tcagacccac tggaagaagg ttgcaggctg ggttcagtca 180

tcagtaaagg gcagtatgaa aagattaaga agttcatctc gacagcaaga agtgaaggtg 240

ctacaatttt gcatggtggt gaccgaccaa agcatctcgg aaaagggttc tttattgaac 300

ctacaattat aacagacgtt agcacatcaa tgcaaatttg gagagaggga agtctttgga 360

ccagtcatct gtgtcaaagt attcaagaca gagagtgaag ctgtagagct tgcaaatgat 420

acccactatg gc 432

<210> 7333
<211> 391
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017d06b1

<400> 7333

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cctccccttc tttccttctc ctcgctgctc ttcttgcctt ggtctcatgg caggccgttg 120

cctccgatcc tggcccgctc caggactttt gtgtcgccga catgcaatca ccagtgcgtg 180

tcaatggatt tgtctgcaag aacccgatgg aggtcaacgc tgatgacttc ttcaaggcag 240

ccgccctcga caagcctagg gtgaccaaca aggttggatc caacgtcacc ttgatcaatg 300

tcatgcagat tgctggactc aacaccctcg gcatctcaat cgcgcgcatc gactatgctc 360

ccttaggcca gaacccacca catacgcacc c 391

<210> 7334
<211> 431
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017d08b1

<400> 7334

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agcaaccttg gcgacggctc catttggata tttggatggg tcgagccgtc gacaacggaa 120

gataagctcg gagcaactgg gtgctgcaat ttggcctgga atgatagttc ctcctctctc 180

cactgctcgg tgcaactcgc ccaagtggat caaagcgaaa ctgtgccagt atcggatcgt 240

cgtggttcct tctgagtcgt agggttatat tttgtcactg tcagagtgcg tgtggtaaaa 300

attacaaact cgtgaatcgt gatcgagcat aatggaactt gtgaaacttt acaagcatct 360

gtggagagaa ttccgggagt gaattgttac cccatttgtt ctttgatcaa tgaatgtttc 420

ccattggcgt c 431

<210> 7335
<211> 329
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017d09b1

<400> 7335

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tgcaagatgg tgaagcttgc atttggaagc ttcggcgact cgttcagcgc cacgtccgtc 120

agatcgtatg tcgcggagtt catcgccacc ctcctcttcg tgttcgccgg cgtcgggtcc 180

gccatttcct acgggcaact gacgcagggt ggcgcgctag acccggctgg ccttgtggcg 240

atcgccatcg cccatgcctt cgccctcttc gtcggtgtgg ccatggctgc caacatctcc 300

ggcggccacc tgaaccccgc cgtcacgtt 329

<210> 7336
<211> 372
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017d10b1

<400> 7336

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acgtccaacg ttcgtgcgtt ctccgccgcc aatcttcccg tggaagcccc gggcacgctg 120

gcgctgcggg ggaggtacaa cgtgacggct gcccgaaggc tctccaagtc atcggagatc 180

gtgacctgcc acgacttgaa gtacccgtat gcggtgtact actgccacac atccaacccc 240

accgccgtgt acgcggtgac gatggagagc atggaaaggg gcgcggcgcc ggcgacgatg 300

gaggcgctgg ccgtgtgcca cctcgacacg tcgcagtgga gcctgaagca cccgttcttt 360

gcgctgacaa cg 372

<210> 7337

<211> 398
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017d11b1

<400> 7337

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gactagcgga tccacgctgc tcctccacct cccgaccaat gcccccggcc cgtcctgctg 120

ctcacctcct cctcacatat gcatcaacaa aacatggcag ccgctgcagt ccacatcgtt 180

caacagtagc aggtcaactc ctccaaggtc acacaagctc gccgccaaaa gcccacggtc 240

tattgagcca gagatggcac tggacgctgc cgtggccggt catctggatc ggagccacca 300

acccacgtcc gatagagggg ggctggtagc agccccgttg aggggattgg gcactatctg 360

cagctacaag tggcatcgac ctgcagctgc gggagcgt 398

<210> 7338
<211> 293
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017d12b1

<400> 7338

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ggctgaaccg tttccagggt tggcaggccg ttaagcagaa aagataactc ttcccgaggc 120

ccccgccggc gtctccggac ttcctaacgt cgccgtcaac cgccacattc cggctcggga 180

aatcttaacc cgattccctt tcgggggatg cgcgtgatcg cgctatctgc cggggttacc 240

ccgtcccttа ggatcggctt acccatgtgc aagtgccgtt cacatggaac ctt 293

<210> 7339
<211> 367
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017e01b1

<400> 7339

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ttccgagcga gaccggtcca atcttccaag aaaacgccgg aggggatgag ggaggagggg 120

ctgcggatgg cggaggacgc gccgggcacc accggccggc cgcggcggct gacgcgcgtc 180

cgcacgctcg gccggggcgc gtccggcgcc gtcgtgtcgc tcttcgcggc cggcgacggc 240

gacggcgacg agctgctcgc ggtcaagtcg gccggggccg tcgacgcgca ggcgctgctg 300

cggcgggagg gcggcatcct ggcctcgctc tgctccccgt acgtgctccc ctgcctcggc 360

tctcggt 367

<210> 7340
<211> 428
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017e02b1

<400> 7340

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tacaacaatg atagatctag agatttcaca aatccatctt tgcccacaga gcaacgccca 120

agatcctctc agcttggtta taatgatcct agccttttg gtttccaaca gcctggagct 180

gcatatggac aggctgcagt gattgctgct gcatttggcg gaacattgcc tcctggagtg 240

actggtacca atgatcgctg cacacttata gttagcaact tgaacagtga taaagtcgat 300

gcggataagc tcttcaatct attttctatt tatggaaata tagtgagaat caaggtactc 360

cgcaacaagc cagaccatgc ccttgtccag atggctgatg ggcttcaggc tgagcttgct 420

atacacta 428

<210> 7341
<211> 330
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017e03b1

<400> 7341

ctcctccttc cgccccccctc gctctccatc ccctccgggc catcgccgtc tgaatccttc 60

actagggtta gggtttacgt aacgaacccg cgccatggct accttcactt accaggtgag 120

cgcgatggct ggcgcctccc cgtcgtgctc tctcttcgtg agccggcggc ggccggcggt 180

catgcccctg cagatgcggg ttgctcgtgg cgggaggccg cgcgggttgg cgatgcaggt 240

gacgagcgag aaggtggtgg gaatcgacct gggcaccacc aactccgccg tcgcggcgat 300

ggagggccgc aagccgactg tgatcaccaa 330

<210> 7342
<211> 373
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017e04b1

<400> 7342

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cctgctccaa gcaagtcgtc atcgccgact gcggccagct ctagatccgt ccgcccgccg 120

gtcgcctgtc gtcgtcgccc cgtgtcccgt gtcgtcgatc taaataagag agtcgtgtgt 180

cgtgtcgtgt cttccccttg tccgtccgat gagatctccg tggttggttt aggagggttt 240

taggtggact cttttggccg ctggatctgt gtccggcggc catggttatc ttcctgtgtc 300

tgctgctatc tcactgtttg aatgagatga actccgctat gaattatcca taatttgtgc 360

tcgttggctt cac 373

<210> 7343
<211> 422
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017e05b1

<400> 7343

tcacgcgtcc gggcacagat gcggttttcc tctctcttat acgtgcattc agctggaatc 60

ccgctacatt tcttcatgca tacacatgcc ttccccttgc ccaagcaaca agacaggctg 120

ctaccgcagt tttgcaggac attgctgatt cgggagttct gtttgcactg ttgatgtgtg 180

atcacaaggt tattagtctt gtgggagcac aaaaggcaac tttgcatgct gatgatatat 240

tactacttgc aaatttcata ttgtcctccg aatcttttag gacttcggag tcttttttcac 300

ccatatgctt gccaagatac aatcctatgg ccttcctata cgcttatgtt catttttttg 360

atgaaaatac ttacttgact cttcttaccc gagatcagat gccttctttg atttgaaaga 420

tt 422

<210> 7344
<211> 325
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017e06b1

<400> 7344

gccagtttca caaagattct gctcatcatg cacctcattg ctttcatcgc cctcacaatc 60

tttcttggag tccaggcttc ttcccacccg aatcctacct acaagccctt cgcccacttc 120

attccgctcg cctcttctgt gatattatct attatcgctg cctgcttttg gactatcctt 180

gctgtcacta atcctgcaaa agccatcaaa acatctctct ggacagctcc tgtttccgca 240

cttggctgcg atgtagtcat actccttgtc ggtgacggcg aagcccttgg catcggagtg 300

ctcatagtgt gatcgccatt gcagc 325

<210> 7345
<211> 318
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017e07b1

<400> 7345

tggccgccgc cgccacctcc acccgctcct cacctacccc ggcggcgacc ccccagggac 60

accccgaatg gcgacggcgg tcacggcgtc cgtgacggcg gcgacccgct tcacgcgcct 120

ggcgggcgtc gccctccggc gcagcagctg ccgcccccac accgccgtgc gcttccagcg 180

cccggggctc accaccaccg cgctcctcag gcccaccgag ctcaagccca aggaccaggg 240

ccagcccgag acgctcgact accgcgtctt cctcgtcgac ggcgccgacc gcaaggtgtc 300

cccgtggcac gacgtgcc 318

<210> 7346
<211> 368
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017e08b1

<400> 7346

ttggcgaagc acccgcagat tgacgtgccg aacctccagg tgatcaagct catgcagagc 60

ttcaagtcta aggaatatgt cagggagacc ttctcgtggc agcattacta ttggtacctc 120

accaacgatg gcatcgagtt cctgcgcaac ttcctcaacc tgccatctga gatcgtgcct 180

gccactctca agaagtctgc caggcctcct ggccgccctc ttggctctgg cccacctggt 240

gaccgcccaa gggggccacc tcgctttgag ggtgacagac ctaggtatgg tgacagggat 300

ggctaccgtg gcggtcctcg tggtgcacct ggtgactatg gtggtgagaa aggtggagcc 360

cctgcaga 368

<210> 7347
<211> 341
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017e09b1

<400> 7347

tccacgcgtc cgcccacgcg tccggcctca aggcctcgct caagcggctc aacatggagt 60

acgtggacgt cgtgtactgc caccggcccg acgcgacgac gccgatcgag gagacggtgc 120

gggccatgaa ctgggtgatc gatcaggggt gggcgttcta ctggggcacg agcgagtgga 180

ccgcgcagca gatcaccgag gcctgggggg tggcgaaccg gctcgacctc gtcgggccca 240

tcgtcgagca gcccgagtac aacctcttct cccgccacaa ggttgagtct gagtttgtac 300

ctctctacag tacttatggc attgggttga ctacatggag c 341

<210> 7348
<211> 403
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017e10b1

<400> 7348

ttcggacgcg tgggtggcga tatttctgct attcctggaa tttcagctgc tcttgaggaa 60

actataaaaa atgctattga agactcaata acatggccag taaggaaagt cattcctata 120

gtacctgggg actacagtga tctggaactg aagcctgtcg gcacattgga agtcaagctt 180

gtgcaagcaa gagatttgac aaacaaggat ctgataggaa aatcggatcc ttttgccact 240

ttatatatcc gaccattgcc agacaaaacc aagagaagta aaacaattaa caatgatctc 300

aatcccattt ggaatgaaca cttcgagttt attgttgaag atgctgatac tcccagcgtg 360

acagtcaaga tttatgacga tgacggtatt caagaatctg atc 403

<210> 7349
<211> 456
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017e11b1

<400> 7349

gcgcctcgcg ctcctcttct tcgtcttcgt cgccgccacc ttcgccttct gggaccgcca 60

atcgctcgtc agcgagcacg agtctgagat ttcccgatta cgaaatgaaa taaatcagtt 120

gcatggtcag ttaaggaagg ctggtgttct actggaagaa aatccagcaa ctgaaattcc 180

cagaaaagat cttgtagaga ttgatcctat taataatgaa aggagggaaa aggttaagga 240

ggctatgctc catgcctgga attcctatgt aaagtatgca tggggaactg gtatgagctt 300

cagccacaat caaagaactg gtgttaatag ctttggcggt cttggggcaa cccttgtgga 360

ctctctagat acactgtata taatgggcct aagagatgag tttcagaagg ccagagactg 420

ggtggcagag tcattaagct ttgacaggat tatgac 456

<210> 7350
<211> 471
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017e12b1

<400> 7350

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ctcggtttcc atcccaccaa ttaagcaatg ggctttatgt ctctgggcga cctgagcaac 120

caaaggagaa ggctccggtt gtttgctctg cagctatgcc atacactggg ggtgacatca 180

agaaatcagg agaactaggg aaaatgtttg atctccatgc tgagaagtca cggaaatctg 240

gccctttggg taatcaacct tcaaggaata cttcatttgg tggtgctgct tccaattctg 300

gaccagtatc tagtgctgct tctcgatcca actactctgg ctctatttca gcagcggttc 360

ctggcactgg aggttcggca agggcaaaat ctaattctgg accgctcaat aagcatggag 420

aaccaaaaag agatcctctg gccctcagtc aggaggagtg accccaatgg c 471

<210> 7351
<211> 344
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017f01b1

<400> 7351

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ctccgactcg ccgccgccgc cggttgccat ggagttctgg ggccttgagg ttaagcctaa 120

ccagtccgtc aaggtttcac ctgatgatga ccacttcctc catctctccc agggggccct 180

tggcgaagtc aagaaggatg acaaggcaac catgttcgtc aagatcggcg accagaagct 240

ggccatcggg accctctcta ccgacaagtt ccctcagatc cagtttgacc tcgtcttcga 300

gaaggagttt gagctggcac acaattccaa gacatccagc gtct 344

<210> 7352
<211> 356
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017f02b1

<400> 7352

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tgtggccagg gttgcgctcc agagccccga tgtcgagctc gtcgccgtta acgacccctt 180

catcaccacc gactacatga cctacatgtt caagtatgac actgtccacg gacagtggaa 240

gcaccatgaa gttaaggtga aggactccaa gacccttctc ttcggtgaga aggaggttgc 300

ggtgtttggc tgcaggaacc cagaggagat cccatgggct gctgctggtg ctgagt 356

<210> 7353
<211> 442
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017f03b1

<400> 7353

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ttgatagttt aaagacacag gaacttcttg ataggccttg cagtggcatc aatggcttag 120

tcgcatcttt tgttgcacga ctaagggagg agaatccttc tcgtgagcat actattgtaa 180

gaactgcaca aaaacttaag ccattccctt ttaacaagtt ctcagcaaat ggctatcatg 240

atttcctgcc gtcgcggctg cgtcccaagt tccaggatgt tgatagcgat gagtctgctt 300

cctctgaggt tctctgcctg atatgtcgaa gtccattcag tgaatcagaa ctccagaatt 360

ttgaaagcac aaggcgcaag tctcagaaga aaattgatct gtatactgct tattgctgtc 420

aaagctgtca tttccagatt ct 442

<210> 7354
<211> 359
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017f04b1

<400> 7354

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gtggttgcta tcggtgctac taccgccgcc gtccaaaccc tagccctgat gccgcagcag 120

gaggtgcccg accagatcgc cgcagggtgg ctcgcggtgg aggcgccgga gcgaacgggg 180

agcctccaga ggagcggctc caacagccgc ctcaacgcgc aggcgccgga attcgtgccg 240

cgggtcgcgg ctggtggttc caccgccaca gccaccgccg gcagtgattc gtgtgtttgc 300

ggtgccctcg cctccacctc gcgcggcttt ctttgcggct cccccgcctc ccccgtcgt 359

<210> 7355
<211> 269
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017f05b1

<400> 7355

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tcaccgagct gatcgggaac acgccgttgg tgtacctcaa caaggtgacc gacgggtgcg 180

tggggcgcgt cgccgccaag ctcgagtcca tggagccctg ctccagcgtc aaggacagga 240

ttgggtacag catgatcacc gacgcggag 269

<210> 7356
<211> 255
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017f06b1

<400> 7356

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gttggtgtac ctcaacaagg tgaccgacgg gtgcatgggg cgcgtcgccg ccaagctcga 120

gtgccatgga gccctgctcc accaacaagg accggactgg gtacaggatg aacaccgacg 180

cggaggagaa ggggtccatc gtcccaggca agagtgtgct gattgaacca accagtggca 240

acacaggcat tgggc 255

<210> 7357
<211> 53
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017f07b1

<400> 7357

tgttatcatt cccattctga taggactgct aacaatccat atgaacaaaa gag 53

<210> 7358
<211> 322
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017f08b1

<400> 7358

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tcgagagaga ggccgagtag ctagcctagt ctagggtttc ggtagagagg aagtgagatc 120

catggcggag acggagtacc gctgcttcgt gggcggcctc gcctgggcca ccgacgacaa 180

caacctccag caggccttca gccagtacgg cgagatcctc gacgccaaga tcatcaacga 240

ccgcgagacg gggaggtccc gtgggttcgg cttcgtcacg ttcggcagcg aggagtcgat 300

gcgccaggcc atcgaggaga tg 322

<210> 7359
<211> 324
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017f09b1

<400> 7359

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ggtgcctgtg ccgtccagtg cgcgcagtgc tgctgcgtga ctcgcgtcgg cggggctggg 180

cgacagctca gtgtgatgcg ccccatcccg aacttcggcg gtggccgcgg caagaagcgc 240

gccgtgctcg tcggtatcaa gtacaccaag acgcgtgcct gcgagctgag gggtcccatc 300

aacgacgtca agtgcatgag gtac 324

<210> 7360
<211> 289
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017f10b1

<400> 7360

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ggcaattctg tgtcgctagt gtggcggggt tgtcggctcg gtcgacgcgt cccagaggag 120

gcggtctgac tttacgtcag ggcagcggcc ccggaggagt tggtggcggc ggtcgtggtc 180

tgcgggggggt tgccctgttc agcttgggtt gtgggtgact aagtcgtgcg gcattgcagc 240

ttgagggaga gcggtggtat gtcgggacgg cggtcccgga aggtggtat 289

<210> 7361

<211> 262
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017f12b1

<400> 7361

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ctgaaaggtg ctttcaccta ccgtgaacag caatacaatg cttatgcaga gttatatcat 120

ggttgatgga aaggggcgca ctgacaagac ctaccctgct gggttcatgg acatcattgc 180

catgcccaag actggtgaga actacaggct tctttatgac accaagggtg gcttccgcct 240

taactataca agggatgagg at 262

<210> 7362
<211> 434
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017g01b1

<400> 7362

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agcatggata ccctcagcaa ggctaccctc ctcagcatgg ctacccaccg cagcagcatg 120

gctaccctcc acagcagcat ggctaccccc ctgctggcta ccctggctca tctggtcaca 180

gtggtagcca tggaggagga ggcatgggca tgggtggcat gctggctgga ggagcagcag 240

ctgctgccgc tgcttacgga gcacacaagc tttctcacgg cggccacggt ggaaggtgga 300

cacatgatgg gaggcatgat gggcggccac ggaggctacg gcggcgggta cggccaccac 360

ggcggtaagt tcaagcacgg gaagcacggc cacggcatgt tcaagcacgg caagcatggg 420

aagcacggca tgtt 434

<210> 7363
<211> 331
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017g02b1

<400> 7363

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ccctccggct tcccctccag gacgtttaca agattggtgg cattggaact gtgccagttg 180

gccgtgttga gactggtgtc atcaagcctg gtatggttgc tacctttggt cccactggtc 240

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gtgacaacgt cggcttcaac gtcaagaatg t 331

<210> 7364
<211> 389
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017g04b1

<400> 7364

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cgacggagcc gccatgccta acaaccgccg gaggaagcgc ggagtggacg acgactccgc 180

cgcggcgccc atcaaggacg gtagcaacaa cggaaggaag cgctccatcg ccaccataat 240

aacttcgctc gccgcgctcg aggccgaggg ccacgccgac agcgcggggg ccgccgacgc 300

ctcccgccgc gagctcgcgc tcttcgagtc caacgccgat aacaagtcgc aggccatgat 360

ggactacttc gccaagatgg agggcagct 389

<210> 7365
<211> 424
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017g05b1

<400> 7365

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aagctgcacg ctatggaagc actgaactcg tccgcatctt acttcagatt gctcaaagga 180

acagcttgga cattgatgtg gatctagccc ttggttttgc tgcccactac gggaaactcg 240

aaaccatggg gtgcttagtt gaggaaggta atactgtcgc cttccttggc cctttaatgc 300

gggcagctga gcgtggatgc tttcaagttg tggaatggtt tgtgaaccgt ggctgtcggg 360

acatggagct ttgcctggcc cttactgctg ccacctctag tagccaggtt gaagttgctg 420

ccta 424

<210> 7366
<211> 343
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017g07b1

<400> 7366

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gagggccgct cccgggcaaa gcccgggcag ggccggcggc ggcggggcct ctccaccgcg 120

cgactcccca ccccatggcc atggcgcatg tctctgtctc cagcggcgct tggtggcgtg 180

gtgctgcgat tcgcggcggc ggcggcctgg cgcggtggct gcgggggtgg tttgagcccc 240

gtacggtggt gctgcctgtg gcagcgatgg ctgctggttt cgagtccgcc ccgatcctct 300

tctttggatc tggatctggc cggcccgtac tcggtcgtgg ctg 343

<210> 7367
<211> 443
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017g08b1

<400> 7367

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tgctgttgag tataagaaat ggaaagttgt ttggcatttc tgtggtaccc cagagctgga 120

aagaatggtg aatgtcatgg attatgaagg gaatacagct ctgcatcttg cagtcaagaa 180

tgcagaccag atgatagtga gccttctgat ggcaaataaa aatgtactgc caaatatagt 240

gaacaacaag ggcctcactg ccttagatct tgcggtactg gcaactgaca aagggatgag 300

ttatacactg aatccacagg tcattatact tcgctgttta gcatggacag gagctgtcct 360

tactccgcgt cgcctggatc atttcataga tgagttccac attgggaaag cctctgggaa 420

cgagctaaag aaattcagca aca 443

<210> 7368
<211> 395
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017g09b1

<400> 7368

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ggagtgtatt gatgaacaaa gtcaagattc tatctcaaca gatggcgggt gtgctgatcc 180

tgatgagact gaggagcttg atgagtttga cccttatacc ttcataaagg atttgcctga 240

gttatctatg gttgtaccca agtttcgacc cgttcttctt ccaaagcaaa ctcggagctg 300

ccctcgaacc acccttgtcc ttgatctgga tgagacactg gtgcattcta ctcttgagcc 360

gtgtgaagat tctgatttca ctttcccagt tcatt 395

<210> 7369
<211> 415
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017g10b1

<400> 7369

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ctcatactac cgaaggaact accatatgaa tttttgaaga aaatcacgga tgacttctca 180

gatgaccgta aaattagtga tagtccattt ggaatacttt ataagggaat taatccagat 240

gatggcaaag tgattgctgt gaagaaactt caggaaaacg caccgatgcc acctaacaaa 300

gcatttgcgc aagaggttca gaatgttatg gcgctcaaac atgataacat agtacagttg 360

gttggattct gcagtgaaac aacaaagaga ttggtgcagt ttgataaaag atata 415

<210> 7370
<211> 426
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017g11b1

<400> 7370

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tgagatgcct agttcagttg atacatacac acatcgcatc ggaagaacag ggcgtgcagg 120

aaagaaggga cttgcaactt cattcttgac cctggataac actgatattt tcttcgatct 180

gaaacagatg cttactcaga gcaatagtcc cgtccctcca gaacttgcta ggcatgaggc 240

gtcaaagttt aagccaggat cagttcccga tagacctcca agaagaaatg acaccgtcta 300

tgcatctcac tgaagcaatc tgccgcagaa gaggtgggag atccttcctg ggtataattc 360

agggccacca actgtgtcga gatttagtac ttatgaggta caaacatcat aacaattgaa 420

caatta 426

<210> 7371
<211> 429
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017g12b1

<400> 7371

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ggcagaggca gaggagggtg gcgccgccgg cagtgggcca tgcgggggcg ccccgggtgc 180

tgcaggcggg ggacgcgctg ccgctcccga tccggcacac gaacctcatc ttctcggcgc 240

tcttcgcggc ctcgctcgcc tacctgatgc ggcggtggcg cgagaagatc cgctcctcca 300

cgccgctcca cgtcgtcgac ctcaccgaga ttctctccat cttcggcctc gtcgcctcgc 360

tcatctacct gctcagcttc ttcggcatcg ccttcgtcca gtccatcgtc tcgtccagcg 420

acgaggacg 429

<210> 7372
<211> 243
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017h01b1

<400> 7372

ggcgagcctc accttgccgc cggcgccccc gaacccccgc caggacgcca tcgacctcca 60

caaggccttc aaagggtttg gctgtgatag tacaacagtt tcaaatatac ttgctcaccg 120

tgactcaatg caacgtggat acattcaaca ggaatacaaa actatgtatt ctgaggaact 180

ttcacgtcgt atatcgtctg gactcagtgg aaaccacaag aaagcaatgt cgctctggat 240

tct 243

<210> 7373
<211> 315
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017h02b1

<400> 7373

cccacgcgtc cgcccacgcg tccgctccga cgaccaccac cgacggcggc gacgatgcag 60

gcggcggcgg cggcgacgcg gcgccacctc ctcgaccagc accacctctc cccggcctcc 120

tcggccgcca tcgccgcctt cagatccgcc gcccagccgg cgctcgggcc ccaagggttg 180

ggcggggcgg atggcgcgag gtacatgtcc gcgcgggcgc cggccgtcaa gggcgccggg 240

catctcgtcc gcaagggcac cggagggagg tcgtccgtga gtggaatcgg cgctacggcg 300

tttggagcta ctgga 315

<210> 7374
<211> 355
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017h03b1

<400> 7374

gggcgcctcg ggcgtcgtct acaaggcgcg ggaccgccgc acgggcgcca ccgtcgccgt 60

caagcgcctc cgcggcggcg gcttcggcga ccacgacggc agccggctct ccgaggacct 120

cctccgcgag gccgcgtgcc tcgaggcctg ccgcggccac ccgtccgtcg tcgagctgcg 180

ggccgcgcac cgtgacggcg cgggcggcgc gttcctcgtg atggagtacg tcgggcccag 240

cgtggcgcag gtcatgcggg agcgcggccg gcccttcccc gaggccgacg cgcgccggct 300

catgcgccag ctcctggacg gcgccagggc gatgcacgac ctcagggtcc tgcac 355

<210> 7375
<211> 357
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017h04b1

<400> 7375

ttggacgctt gggcatgcat acagggtcct ctttgatgtg gatggcaacc ctaggttgtc 60

atgttttggt ttgatgaaga acagcagaga tgggaaaagc tacagtacta atttggcttt 120

cacacctcct gagtaccttа agacaggtag agtaatccct gagagtgtgg tctacagctt 180

cggtaccatc ttgcttgacc tcctaagtgg gaagcacatt ccaccaagcc atgcgcttga 240

ccttatcaga ggaaggaaca tcaccgtgct catggattct tgcttggatg gtcacgtctc 300

cagttctgat ggaacagaaa tggtgcggtt agcatcacgc tgcttgcaat atgaagc 357

<210> 7376
<211> 481
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189017h05b1

<400> 7376

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taagttatcg gctgaaggta atggccaatt ggatgctatt agtggaaatc cacctgcgac 120

agataattgt cagacaaatc accatagctc tgaatgggtt gagctatttg ttagagagat 180

gatgagtgcc tctgacataa atgatgcacg ggctcgtgca tcaagagctt tggaggttat 240

tgagaagtcc atcatggagc ggacaggagc cgaggcagtg caaaacttgc acaaggaaaa 300

taagatgcta aaggagcaat tagcaatagc tcttcgagag aatgctgttc tgaagcgngg 360

ggttgcaatc caacacgagc gccaaaagag tttgatgata agacaangag gttcacaacc 420

taagcaattg attttgcagt atcaggaaca actaaagact ctcgagatca ataattatgc 480

a 481

<210> 7377
<211> 395
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017h06b1

<400> 7377

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gccagttatc ggtctgcgtc ctcctcctgc tcgtgctcgc ggggcagcag caggcggcgg 120

ccaagaagta cgccgccatc ttcaacttcg gggactccct cgtggacgcc ggcaacctcg 180

tcgtggacgg catccccgag tacctcgcca cggcgaagct gccgtatggc atgacctact 240

tcgggtaccc caccggccgc tgctccgacg gccgcctcgt cgtcgacttc atcgcgcagg 300

agctggggct gccgctgctg ccgccgtcga aggcgcgcaa cgccacgttc caccacggcg 360

ccaacttcgc catcaccggg gccacggcgc tggac 395

<210> 7378
<211> 270
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017h07b1

<400> 7378

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gaagcagcgg cagcgatgga gccggagggg gtgcggcacc ggatggtgga ggtggccaag 120

ggggtgcggc tgcacgtggc ggaggtgggg cccgagaacg gttccgtggt gctgctcgtg 180

cacggtttcc cggacctctg gtacggctgg cgccaccaga tggtcgccct ggcggtccgg 240

ggctatcgcg ccgtcgcgcc cgacatgcgc 270

<210> 7379
<211> 321
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017h08b1

<400> 7379

ttggacgcgt gggccgccgc cggcgctttc ccatccccat ccccaactag tgagcgtgaa 60

cccgatgtga ggcgcgcgaa atccctccgc catggagcat agtgacggcg agaccgccgc 120

taagcgagcc aagctctcct ccagcggcag cgaggacctc ctcagcgcgc tatccgacga 180

cgttctcatt cacatccttc tcaggctccg caacaccgcc gtcgccgctc ggaccagcgt 240

cctctccagc cgctggcgcc gcctctgggc ccttctcccg ggcctggact ttctccccga 300

caccaaccca tacagcatac c 321

<210> 7380
<211> 356
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017h09b1

<400> 7380

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ccaaacaaaa gcttggattt cgtcatcttt gatgagaata aaagagcttt gctggattgg 120

acaaaacttg cagtaataat tgaaggggta gcaaatggac ttctctactt acataagcac 180

tctcgattgc ttgtcataca tcgagatctt aaaccaagca acattctctt ggacagtgaa 240

atgaatccaa aaatttcaga tttcgggctc gcaaaaatat tcagctcaaa tgacaccgaa 300

ggagacatta caagaagagt tgttggcaca tatggctaca tggcccctga gtatgc 356

<210> 7381
<211> 325
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189017h10b1

<400> 7381

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cacagcaatg gcctccaccg acagctggac ccacgagatt gaatcgccgg tggccgcagc 120

gcgcctcttc cgcgccggcg tcatggactg gcacacactg gcccctaagc tcgcaccgca 180

catcgtcgcc agcgcccacc ctgttgaggg cgaaggcggc atcggcagcg tcaggcagtt 240

caacttcacc tcagccatgc ccttcagcct catgaaagag aggctcgagt tcatcgacgc 300

cgacaagtgc gagtgcaagt ccacc 325

<210> 7382
<211> 266
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018a01b1

<400> 7382

tgtcccctgc acctccacct cccacctctt ctgccgcagc ctcgccggcg gcaggacgct 60

ctccgccgcc gcaggacact cctgctcgtc cacctcctcc tcctccgtca agatggcgcg 120

ctcggcgctg gacgaggtga ccgacaccgg cgccttcgac cggacgccgt ccaccttccg 180

gagcttcgtg tcgagggacg cctccgcccg cttccccgcg gtggcgggca ggtaccacct 240

ctacgtcttc tacgcctgcc cctggg 266

<210> 7383
<211> 195
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018a02b1

<400> 7383

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aagccgatgt caattgccgc ggctgtcacc ggaaccgcca ccgcggcggt gcatgcgccc 120

gtgcaccacg cgccggacca cgcctatacg cagcgcacgg cgccgcggcg cgagcagtcg 180

ccgatcaacc cgagc 195

<210> 7384
<211> 235
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018a03b1

<400> 7384

tttcacgttt tcgcccacgc gtccgggcgg ccatgaggct gtaccacggc cggaggcgcg 60

gcgaaggcga ggacgccggc aagatcgagc tgctgcaggc ttttcaggcc gtggaggcgg 120

ccgtgcggag gttcttcttc gcgtaccggc aggtcgtggc ggccgtgtgt ggcacggcgg 180

aggcgtcggg caaccgggcg ctgtttgcgc cggcggaggg gacggacccc ctgtc 235

<210> 7385
<211> 343
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018a07b1

<400> 7385

cccacgcgtc cgcccacgcg tccgcccacg cgttcgcgga cgcgtgggtc cagttatgca 60

agcactttca gtttgattgg ccagtgaatc atacatctct gagtcctgac gggaagcttg 120

ttgtaattgt tggggatgat cctaatggtt tacttattga tgccaattca ggaaagactc 180

ttcattccat gaaaggtcat catgacttct cattcgcatc agcctggagc cctgatggcc 240

gaacgtttgc tactgggaac caagacaaga catgccgaat ctgggacgcg aggaacctat 300

caaaagcagt ccatgtattg aagggtaacc ttggagccat cag 343

<210> 7386
<211> 304
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018a08b1

<400> 7386

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aggcgctcat gcccgtcgcc gtctactcca tcggcgtcct cttcaagaag gagaccttcc 120

gctcctcctc catgctcaac atgctctcca tctccttcgg cgtcgccatc gccgcctacg 180

gcgaggccag gttcgacctc cgcggcgtcg cgctccagct cgccgccgtc gccttcgagg 240

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tcac 304

<210> 7387
<211> 432
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189018a09b1

<400> 7387

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gccgggacga agaccgtcga ctacgcggcg gaaagagcgc tcgccaagga cttcctcacc 120

aatttcgccg gcccgcacgg cgagcccaag taccagaaca tcctgcaaga catcgcgaac 180

cggaagatcc gcgccgccca gatcgagctg gacgacctgt tccactacaa ggatgtggac 240

gaggagttcc tgcagagggt caccgagaac accaagcgct acattggcat attcgccgag 300

ggccgtggac gagctcatgc ccgagcccac ggaggccttc gctgtggacg aggacaggga 360

catcttgatg acgcancgcg tggatgaagg ggctgatgga ggcgctgacg gcacagaccc 420

ttacagagga tg 432

<210> 7388
<211> 313
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018a10b1

<400> 7388

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ctgctcttct gccccatcgg gatcgccgct cacgcgctga ccaaggtact cgcgggttcc 180

acaggtcgat cacactgacg accgattgcc tgtaggcagg ctccccttgt ttagatgtct 240

cagatcgtga gggtcagata tatgaataaa attgatttgg tgcaccattt gttctatata 300

gatttcacat tga 313

<210> 7389
<211> 422
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018a11b1

<400> 7389

atatgagagg ggagggatgc ctatgagaga tgccggtgcg tcacaaagac caacaattgg 60

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gaacctgtac cctgttgttg atcagctgga gcacgaccag gctgccaagg tgaccggcat 180

gctcctggag atggatcaga ctgaggtgct tcacctgctt gagtcgccag acgctctcaa 240

ggccaaggtt gctgaagcca tggaggttct ccgcagcgct cagcagcaca ccaaccagtc 300

ccctgagcag cagctggctt cgctctcgct gaatgacggc ctcatctctt cctaagctct 360

acggcgacaa tttttgcacc atatcaaaac ttatctagac tgaaaatgac ttggctttat 420

tg 422

<210> 7390
<211> 131
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018b01b1

<400> 7390

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gctggtgcac t 131

<210> 7391
<211> 71
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018b02b1

<400> 7391

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ccaaacggca c 71

<210> 7392
<211> 182
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018b04b1

<400> 7392

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ggccaccgtg ggcgtctgga tcgacgccgg gagcaggtac gagacggagg aggcggccgg 180

gg 182

<210> 7393
<211> 137
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018b06b1

<400> 7393

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aaaaccgctt gagaaatggc tgaggaggat gtccagccca ttgtgtgcga cagtggcacc 120

ggaatggtca aggcggg 137

<210> 7394
<211> 201
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018b07b1

<400> 7394

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tcgtacgtcg ccttcaccga c 201

<210> 7395
<211> 137
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018b08b1

<400> 7395

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aaccgcgccc gcgccgtgga cggtgtctgt ccggtggcgt gggacaacaa cgtggccagg 120

tttgcgcagg actgggc 137

<210> 7396
<211> 228
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018b09b1

<400> 7396

tgggggggttt ccgtccatcc gagctcttaa agctgctggt gaatcatctg gagccgctaa 60

ccgagcagca gatgttggga ttgaccaacc tccagcaatc ttcccagcag gcagaggatg 120

cattgtcaca aggaatggaa gcattgcagc aatcactggc ggagactttg gctggatctc 180

tgggttcctc cgctggctct tcagggaatg ttgcaaacta catgggtc 228

<210> 7397
<211> 446
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018b10b1

<400> 7397

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ggttgctaaa atggataagc tcaagggctc tgcgcgtctt atgattgttt cagatctcga 180

tcacacaatg gttgatcatc atgacgaaga gaacctgtct ttgcttaggt ttggggccct 240

ttgggagtct gtttactgtc aggattctct tcttgtcttt tcaacaggaa gatcacctac 300

tctgtataag gaattgagga aagagaagcc tatgctaact ccagatatca ctattttgtc 360

tgtgggctct gagataactt atggtgaagc catggtccct gatcatggct gggaggaata 420

tctgaacaat aagtgggaca ggaata 446

<210> 7398
<211> 358
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018b11b1

<400> 7398

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gaaggtgaag ctgggcaagg agcccatggc gctcttcacg gagggcggca tcaaggacct 120

agccaagctc cccatggagc agatcgacgc cgacaagctc accaaggagg acgtcgacgt 180

gcggctcaag tggctcggcc tcttccaccg ccgcaagcag cagtatgggc ggctcatgat 240

gcgtctgaag ctgcccaacg gcgtgacgac gagcgagcag acgaggtacc tggcgagcgt 300

gatcgagaag tacggcaagg agggctgcgc cgacgtgacg acccggcaga actggcag 358

<210> 7399
<211> 353
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018b12b1

<400> 7399

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agttaaccga gattcaagaa ctacatacaa ttttgcagtt gttgaagatg ccaatgtttc 180

tgttgatctt gaactcaatt caccgcagca acaaaatgat gttgagcata ctgcgccccc 240

taaactagga ttgcaactac atccatgacg atcgtggggt atgggattac tcttgttgtt 300

attattctca agggatacaa ttcagagcag ccagaatact cttggttgta aag 353

<210> 7400
<211> 231
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018c01b1

<400> 7400

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tgtcgcctac tctcgtgaag gaccaaccaa agaatatgtg cagcataaga tggtggacaa 180

ggccaccgag atttggaacg tcatttctca aggtggttac atatatgtgt g 231

<210> 7401
<211> 288
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018c02b1

<400> 7401

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atcacttggg cgcgcgctcg caatggacag cagcagctgg atccatggat actacggccc 180

cagcagcggc gccggcggcg gtaacagcgg cttcatgtgc ggttacgccg acagctgcgt 240

cgttctcgaa gagctgcaca acaggaagga ggaagaggag cgcacgca 288

<210> 7402
<211> 286
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018c04b1

<400> 7402

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ccgccgagcc gcgaccttga cactcctcct gcccttcctc ctcctttcct cctccccgtc 180

cctctccttc gccgcttcgc cgccgccgtc gagccccgtc ccgttccacg cgccgccgcg 240

gtgggtcgcg tgcgactccg acagcgcccc cccgtcgtcg caccac 286

<210> 7403
<211> 264
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018c06b1

<400> 7403

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tgaatggcta cgaccctgtt atcaaagctc tctctcgaga tctagatgtc cacctgaacc 180

acagggttac caaaatcatc cagcggtata ataaagtcat cgtatgcgtg gaagacggga 240

caagctttgt tgcagatgct gcta 264

<210> 7404
<211> 373
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018c07b1

<400> 7404

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gagcggcagc ccatcggcac ggcggcgcag gggtccgagg acaaggacta caaggagccc 180

ccgccggcgc cgctgttcga gcccggcgag ctcaagtcct ggtccttcta ccgcgccagc 240

atcggcgagt tcatggccac cttcctcttc ctctacgtca ccatcctcac cgtgatgggc 300

tacagcggcg ccacctccaa gtgcgccacc gtcggcatcc agggcatcgc ctggtccttc 360

ggcggcatga tct 373

<210> 7405
<211> 251
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018c08b1

<400> 7405

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tcgaggagga cttcaacacc cgcaccgggg agttccacga gcgcaaggag aacttcgtcg 120

tcagggccga tgactgagct tacacgtaac ggagcacact acgatgtgtg tatatgtatg 180

catgtcagca gtatatgtat gtgtgaatgt tgcgcacagt cgtatagcgt atgcaggcgt 240

gcgtgcttgg c 251

<210> 7406
<211> 299
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018c09b1

<400> 7406

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catctacaga attaggcgcc cgtgtaagtt aaaatatata aagttaagag tggttttctt 120

gtttcacatc ctctgctaaa tgttaccctg tttgtgcatc agtgtaaata gccggcagag 180

aaagtcgttt tttggttgtt gttgttgtac tttcttctgt gagataaaaa cagatgagat 240

cagttgtttt ttgtactgat tgtaatggac cgaccgattc attatttttt cgacgggat 299

<210> 7407
<211> 423
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018c10b1

<400> 7407

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ggccgggcgg gcgcgatgcc cctggacggc ggcggcggcg gggcggcggt catgttcctg 120

gcgtacgcgg ccctggccgt ggcggcgctg cgggccgtgc tgtcctacaa gtcggtggcg 180

cacgcggtcc gccggctgtg gcggtgggcg gacgagtggg cgcaggccta ccagtactac 240

gaggtgccgc gcttcgtcgc tggcggcaac gacggggccg agaacccgct cttccgcaag 300

gcggcggcct acgtggcgtc gctgccgtcg ctcgaggacg cggacgccgc ctgcgtgctc 360

tcctccgcca gcaagagcaa cgacttctcg ctgcagctcg gcccgggcca caccgcgcac 420

gac 423

<210> 7408
<211> 372
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018c11b1

<400> 7408

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cttccgatct gtggaggata tccatggctt gatgagcttg gttaagagaa ctccaaagcc 120

atctgtcctg gtcgtatatt atgccaagct gactgaaata ttctggatat ctgagagtca 180

cctgtatcat gcatatgcat ggctgaagct tttcaacttg cagaagagct acaacaagaa 240

tttaactcag aaggatctgc aattactagc atcttctgtt ttgcttgctg cactttctgt 300

tacaccatat gaccataaat atggtgcatc tcatcttgag cttgaaaatg aaaaggaccg 360

tagcttgcgt at 372

<210> 7409
<211> 196
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018c12b1

<400> 7409

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gggaactaaa tcactcaacc gaaaaatttt catgaccgaa aaacaaagga ggcagtggta 180

tatttgctcc ctggat 196

<210> 7410
<211> 243
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018d01b1

<400> 7410

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caaaccaacc accgcaaaca tccatcgcgt tcccggccac ttctacaacc tgctttgctt 180

ccgcggcgcg atcttgtttt agctcggcct ccatccccgc ttggctcctt gcgcaacagc 240

ttc 243

<210> 7411
<211> 437
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018d02b1

<400> 7411

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attctcaaat cgcgagctcg gaacacttgc accctactcg gataggatcg gcgattcgcc 120

cccctagttc ctcgtcggga acttcagaga gcttcagtac aagatgcaaa ggggaagggg 180

cgggagaggt ggtctctttg gttttgggga ccctttttcct gcttttggcg gctttgtacc 240

acctgggaac cttatgtcca gtttctttcg ggggtcaagt ccctttgatg atcccttctt 300

caccaatcct tctggttctt tgattggacc tagcctattt gagcaaagca tttttggttc 360

aagcatgttc gggccacaca cagctctaaa tggaggaggc ttccagcagc aaggtcctga 420

accaagcagg ccaaaag 437

<210> 7412
<211> 111
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018d03b1

<400> 7412

atttacgtcc tcagatctcg ctctcgcctg cttgcgcagc cgacggcgac agcagcatgt 60

aaatggcggc gagcaacctc gagggtgtgc tcctggggat gggcaacccc c 111

<210> 7413
<211> 400
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018d04b1

<400> 7413

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atgtgccgct gaggtatctc cggccagagg cggcagcaga agcggtcacc agcgacggcg 180

acggcgacgg cgaggcacag atccccatca tcgaccacca aaggctgctg ctggagctgg 240

accatggtgg cgaggagtct gcacgcctcc acagagcctg ccaagactgg ggcttcttcc 300

agttagttaa ccacagtgtc ccagacgatg tggtggagag catgaaggcc aacatccagc 360

aattcttcca gctacccgca gagacgaaga agcgattcgc 400

<210> 7414
<211> 210
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018d05b1

<400> 7414

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gcatagcatg gagctgttcg atgaggtgca gaaggtccag tggatggccg cggtgtctgt 180

gggtattctt gcgcacaccg gaacagcaga 210

<210> 7415
<211> 421
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018d06b1

<400> 7415

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ggacttgctc gctatgctgc tattgctcag gacaatggtt tagtgccaat tgtggagcca 120

gagatccttc tggacggtga ccatggcatc gagagaactc ttgaggtggc agagaaggtg 180

tggtcagagg tgttcttcta cctggccgaa aacaatgttc tgtttgaggg catcctgctg 240

aaacccagca tggttacccc tggtgctgag cacaaggaga aggcttctcc agaagccatt 300

gcgaagaaca ccctcacaat gctgaggagg agagtaccga ccgcggtccc tggaatcatg 360

ttcctttccg gcggacagtc cgagctggag gcaaccatga acctgaacgc gatgaaccag 420

t 421

<210> 7416
<211> 313
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018d08b1

<400> 7416

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actaccgcgg cgtcaggaag cggccgtggg gccggtacgc ggcggagatc cgcgacccgg 180

ccaagaagag ccgggtgtgg ctcggcacgt acgacacggc cgaggaggcc gtccgcgcct 240

acgacgccgc cgcgcgcgag taccgcggca acaaggccaa gaccaacttc cccttcgcct 300

ccgcctccgc gcc 313

<210> 7417
<211> 298
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018d09b1

<400> 7417

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atagagagga catggttccc attgcctgga ggatgaagcg gcggcagctg gaagctcaac 180

aaggcgacgc cagttatgcc gcgcagcagt ccaaggtgta tccatctacc agcagttgtt 240

cccagcagca gtcgaaggtg tatccatctg ccagcagctg ttcccagcag cagttcgc 298

<210> 7418
<211> 430
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189018d10b1

<400> 7418

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aggcggaggg cctggtgcgg atcgcgctga agaagcgcgc catcgaccgg aacagccgcg 180

tcgccaagag cctctccgac cgcgaggagg tgcacctcct cggcggcgcc tccaacaccc 240

tcccctccga ggaggagggc gacatcgtgt ccctcaagaa ctacatgaac gcgcagtact 300

tcggggagaa tcggcgtcgg cacgccgccg cagaagttca ccgtcatctt cgacaccggc 360

agctccaacc tctgggtgcc ctccgccaag tgctacttct cgattgcgtg ctacctncac 420

gcacgctaca 430

<210> 7419
<211> 474
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018d11b1

<400> 7419

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gatctcgggc gttggttttc gaggtattgt ggagagctct tcaatttcat ccggctctgt 120

tcttctgagc aaagggtgag aagaatcttt cgccggattg tccccaaaga tgccaggaat 180

catagtggat ggagttgtca cagaggagat tcagcatgag gtgggttcct ctcaaaacaa 240

ggagaatttg acggccccaa ccatggcgcc aagcatgcag agtgaggcac ttgagatgca 300

cgttgagaat tctggtgccg gggagccctc gattgagcag ctctacaaca acgtgtgtga 360

gatggagagc tcaagtgagg gcggcggatc cccatcacgc gagagcttcg ggtcggatgg 420

ggaggaatca aggattgact ctgagcttcg ccaccttgtt gctggggaga tgga 474

<210> 7420
<211> 333
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018d12b1

<400> 7420

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gttcacaatg ctgctcttag tgcacagcct gcattggtgc agaatgaaca gaaactgctt 120

gagaagatca atattctgtg tctgatggag ataatcttca gccggccatc agaagataga 180

actatcccat taagtgttat tgccaagcag actaagcttt caaccagcaa agtggaatgt 240

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acggttcatg tttcgtgggt ccagcctaga gta 333

<210> 7421
<211> 249
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018e01b1

<400> 7421

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ggagcccccc cggatgccct cagctgcgtc cgatcggcag caccgtctcc ggatcgaaga 120

agcctgcggc ggcgacggtt ccttcgtgca agtaccacct gtcggaggcg tctgtccagg 180

cggtcctaaa ccacaagagg gtgcctttcg tcattgggga ctacttcgac gacctgaccc 240

ccgaggagc 249

<210> 7422
<211> 363
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018e02b1

<400> 7422

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ttgagccagt cattacctta ctgaattcat ctccaccagc tgtgcaacaa ttggctgcgg 180

agctcctatc tcatcttctc ctggaagaac accttcagaa ggatacagta gcagagcaat 240

ccatccctgc cctcattcaa attctctcat caggtttgcc aaatttacag cagagagcta 300

taaaagctct cgctaatctt gcattagcct ggccaaatac aattgcaaag gagggtggtg 360

tgt 363

<210> 7423
<211> 368
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018e03b1

<400> 7423

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gcggcgccgg ccccctccac cctccaacat ctgaaggaga tcgccgcggt gatcgaggcg 180

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cgccggcgcc tcgccgcccg agacgtctcg gccttcctcg ccttcgccct cccggccaac 300

agcgacgcat acgcccgcct cactcccctc ctccccaagg aagatgaagc tgagatggat 360

gttgatgc 368

<210> 7424
<211> 205
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018e04b1

<400> 7424

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cgcccctctc cccggccatc gtcttcatct tggacaaggt tgcgcctttc gtccccgcgc 180

ccaaggagga gcccaaggcc gagcc 205

<210> 7425
<211> 260
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018e05b1

<400> 7425

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cgccgtggag aaaggaggga tggcggcggc ggcgggcagg ggcgggggggc cgaggcgcac 180

gacgcgggtg ggcccctacg agctcggcaa gaccgtcggc gagggcagct tcgccaaggt 240

caagatcgcc aaggacaccc 260

<210> 7426
<211> 456
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018e06b1

<400> 7426

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gtttgcaagc tcaacccagt gacacaggat gaagatttat atacaatctt ctcgcgtttt 120

ggaagtgtga catcagctga aataattcgt gacttcaaga ctggggatag tttatgctat 180

gctttcattg aattcgagga aaaggaggca tgcgaacgtg catattttaa gatggataat 240

tgtctgattg atgatcggag gatccatgtt gattttagcc aaagtgtttc aaaattgtgg 300

ggtcagttca gacaaagtaa acgaaatgga aataaagatg gttgcttcaa gtgtggtgct 360

ccagatcaca tagcccgaga ttgtgaccag gatggtgagc agaaacctaa agccccaaat 420

tatgttctga aagatgataa cactcaacga ggcggg 456

<210> 7427
<211> 502
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189018e07b1

<400> 7427

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agaagaggaa gaagaagaag cagtgtggag cacgctgctg ctacctggtc atgctctcag 120

cagtgtgaat ctccagaagc atgcttgccg tgccttcttc cgggtgcacc ggaggctggc 180

atgtgagcag gggtgcttca gtgacgcaca agaaaaaagg caagtcttat cggcaaggga 240

aggctacgcc tttcttccag gtctccctct ctccatctaa atctgtgttt ggaggagggg 300

gctacggtta gttcacccac cggtttactg tgtccttgtg agttgtgatc attatcatgc 360

actcgtcagt tgcttgacat gtatggtgtc gttcttgaat tttcagctac atataatggt 420

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gagtcaatta gctaaaagaa gt 502

<210> 7428
<211> 496
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018e08b1

<400> 7428

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ctccgcctcg tctccaagcg cttcggcctc ggcatctcca catgccacaa gctcgtcctc 180

gaggtctgcg gtgccatcaa gtccgtcctc atgccgcgtt tcctccagtg gcccgacgag 240

gccgccgccg gcagattcaa ggagggcttc gagagatcct tcggtgttcc gggggtcatc 300

ggagccatgt acaccacgca catccctatc atcgcgccca agatctccgt cgccgcctac 360

ttcaaccgtc ggcacacgga gcgcaatcag aagacatcct actccatcac gctcaggggg 420

tggtcggccc tgaccgcgcc ttaccgacgt ctgcatcggc tggccgggct ccatgccgga 480

cgatcaggtg ctcgag 496

<210> 7429
<211> 491
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018e09b1

<400> 7429

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acccttgagg tcgagtcctc tgacaccatc gacaacgtca aggcaaagat ccaggacaag 180

gagggcatcc ccccggacca gcagcgtctc atctttgctg gcaagcagct cgaggatggc 240

cgcacccttg cggactacaa catccagaag gagtccaccc tccacctggt gctcaggctc 300

cgtggtggca tgcagatctt cgtcaagacc ctcacgggca agaccatcac actggaggtt 360

gagtcctcgg acaccatcga taacgtgaag gccaagatcc aggacaagga gggcatccct 420

ccggaccagc agcgcctgat ctttgctggc aagcagcttg aggatggccg taccctggct 480

gactacaaca t 491

<210> 7430
<211> 377
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018e10b1

<400> 7430

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gtctgcaacg tcaccaagcg cgccatcggc gtcgagatca acaagcaggt cggcaacagg 180

atcatcaaga agaggatcca tgtccgtgtg gagcacgtgc agccatccag gtgcaacgag 240

gagttcctcc agaggaaact caacaacgac aagctgaagg cggaggccaa ggcgcgcggc 300

gaggtcatca gcaccaagag gcagccagca gggcccaagc cggggttcat ggttgagggc 360

accaccatcg agacggt 377

<210> 7431
<211> 486
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018e11b1

<400> 7431

ctccctttcc tttccttccc ccctcgcttc gtttgtgcgt tgccttttc tttccgccgc 60

ggcaactgtg agccggcccg atcgagcgag ccgccccca cgcacctcaa gaaaccggca 120

taattccatc catccatccg ctgccgcgtc ctacgcggcc atttggggcg ctcgtggggt 180

gttcgtcaca tcaaccaggc caagatcaga tcggcggcga cgacggcgac catgttcagc 240

gggacgcagc agaagtgcaa ggtgtgcacc aagacggtgt accccatgga ccagctctcc 300

accgacggcg ccgtcttaca ccgcgcctgc ttcaagtgcc accactgcaa gtgcaccctc 360

tcctttagca gctactcctc gttcgaaggg gtgccctact gcaagcccca tttcgcgcag 420

ctgttcaagg agaccgggag ctacaacagg agcttccaat cacaatcacc cgcaaaatct 480

gcaacg 486

<210> 7432
<211> 268
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018e12b1

<400> 7432

cccacgcgtc cggcccctcg atgttcagag gcctcggagc gaatggagct tagtcgagtg 60

ggcaaagcca tacatacggg acttcaggat cgaggagatc gtggaccctg gcataaaggg 120

gcagtactgc tcggaggcca tgtggagggt gctggaggtg gccacggcgt gcaccgagtc 180

cttctcgacc ttccgcccga gcatggagga catcgcgcgg gagctggagg acgcgctcat 240

catcgagaac aacgcttccg agtacatg 268

<210> 7433
<211> 263
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018f01b1

<400> 7433

ttccactcgt ccgaattgtg caacgaaaga gcacttgttc tgccgtggct gcatcgaaac 60

ctggctgaaa caaggacatc accagtgccc cttggatcga aaagaactca aagttgacga 120

tttggtgctg aacgaattcg ttcggcattc catctttgcg caacgcacca catgcacaca 180

cgttccgctc tgcgactggg ttggtgtcat tggaagactg gatgaacacc tcggctccac 240

atgtcccctg cagaaaattg tct 263

<210> 7434
<211> 374
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018f02b1

<400> 7434

ttaatgatga caaacagtat gtgtgggagt ccaaagctga tggatcattc gctatttccg 60

aggatacatg gaatgaaccc ctgggccgtg gaactgagat caaactgcat ctccgcgatg 120

aggctaagga gtacttggaa gaaggcaagc tgaaggactt ggtgaagaag tactctgagt 180

tcatcaactt ccccatttac ttgtgggcaa ccaaggaggt cgatgttgaa gtgccagctg 240

atgaggaatc aagtgaagaa gaggaatcaa ccacagagac gacagaggaa gaagagacag 300

aagatgatga agagaagaag ccaaagacaa agactgtgaa ggagacgact actgaatggg 360

agcttctgaa tgat 374

<210> 7435
<211> 178
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018f04b1

<400> 7435

tgggacggag aaggagcacg aaccctcagc cccatggcct ccatctcggt cccggaccct 60

gccccttccc caaccgagga tgcagagaac ataaggaaag cagtacatgg gtgggggacg 120

gacgagaacg cgctgatcga gatcctgggc caccggacgg cggcgcagcg cgcggaga 178

<210> 7436
<211> 413
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018f05b1

<400> 7436

gcaacccgct cccgcgtcgg cgccgccgcc tccgcagcgc cttccccggc agaagcccca 60

gcgccccacc ctccatggcg aagaagagga agcgcagctc cgatgctccc gcgcccgcct 120

ccgtagagaa gcccgacgac tctgcgccgg agcggccgga gcgcaccctc ttgggcttca 180

aggaccagcc ggactccgcc gccgagcctg cttacaagga cgcggggccc tacttccgga 240

acagggaaaa ggtgctcatt acgtgctccc gccgcatcat ctacagggta ccggcacctg 300

atgcagaacg tggtgtcgct gctgccgcac gccaagaagg acagcaaggc cgagtccaag 360

cagagcatgt gcagcgcgct cacgagctgg tcgagctcag gagctgctcc agc 413

<210> 7437
<211> 204
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018f06b1

<400> 7437

actcttgttt ataagtaagc ttgtccgttg tgcggagagg ggaggcggat aggtacatac 60

acatggaagg gttgcagaga tcgtcctcca ctttcagaag gtccggctcg tcgggcctgg 120

tgtgggacga gcggttcctg accgagggcg ccgaggcgaa ggccgtcggc tagggcggca 180

cggatgaagc ccagccggag atgc 204

<210> 7438
<211> 366
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018f07b1

<400> 7438

tccacgcgtc cgcccacgcg tccggcttgt tattgatcgt gccatctcta ctgtgagtgt 60

gatcgagcta gtgatcaaac gcgagaagat ggcgttgcac tggagcagcg gcctcgcggt 120

cgccgtcgcg gcggcgctgg ccgtgtccgc gctcttcccg gcgggcgctg cgggtcaccc 180

gccgttccca ggcccgttgg tcccgcagtt ctacgagcac acgtgcccgc agatgcaggc 240

gttggtgggc gccatcgtgg ccaaggagca cgccaaggat ccccgcatgg tggcgtccct 300

gctccggctg cacttccacg actgcttcgt gcagggctgc gacgcgtcgg tgctgctcga 360

cgccga 366

<210> 7439
<211> 377
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018f08b1

<400> 7439

tccacgcgtc cgaagataag ctatatacag agtggagagg tcacacacca gagctagata 60

cagagaagca acaccatgcg cgctccggcg agcctcctgc accgcgtcgc tctcgccaag 120

actggtccgg gcgagccatc gtcgtcgccg atgagtatga aggctcctga gaaccagcag 180

acggctcctg tgatggcagt gaactcagac atggtgctca tcctagcgtc gttgctatgt 240

gcgctcgtct gcgtccttgg cctcgcccta gtctcccggt gcacaggccg acgccgccgc 300

tcgccctcat tcttcgacca cgctcctcca gccccaaagg gcctcaagaa gaaggccata 360

cacgcgctcc aaccgtc 377

<210> 7440
<211> 359
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018f09b1

<400> 7440

gacggaggct cgcaaggctg aaactgcagt ctcggcaagg ccgcctctct gtagctagcg 60

tagcagactt ctgttcagac tgttcttgcg tgcagtgcac ttcttggcta gctagctact 120

cggccatggc ggatcaccag aggcagagga tccacccggt ggacctggag gcgggccagc 180

cgaggccgtc ggcgccgctg gtgccgccgg gcagctcgtt ccggtccgac aagggcgacc 240

cggccgctgc cccgacagga ggccgccaca ccaccagccg ctgccgccgc cgccgcgccg 300

cgtggccgca cctgtgccgc tgccgccacc gaagcggcgc aggggctgct gctgccgct 359

<210> 7441
<211> 310
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018f10b1

<400> 7441

tatggaatgt tttgccatgg ctagacgctg gttggataat gagcctctat gacctgccct 60

atttaattct atcattttgt tcatgataga atcatgaggg attttaatgt acaatacaag 120

atcagacctg caccaagtat taattaaatt atgtaaaaaa aaggaggatg gacctcggcc 180

tatacatctg gttgatgcat acagccagtt tattatgaag ccatcgctga gctggattcc 240

ctcggagaag atttctacaa ggacagcacc ctgataatgc aacttctccg tgacaatctc 300

accttgtgga 310

<210> 7442
<211> 200
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018f11b1

<400> 7442

ttgcctagct agtgccaacc aagctacgca gctcaagctc gacccgatcg atggccggga 60

ggaagcaggc gacgatggcg agcgcggcgg ccgtggcgct gctgctggcc atggcggccg 120

tgtcgggcgc cggcgcggcg cccggcccgc tgatgatgtg caatgtggac gtgtaccgca 180

tgatcggcgc gtgcaggtcg 200

<210> 7443
<211> 262
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018f12b1

<400> 7443

ttggacgcgt gggttggata gtgaatgaaa tgaagaaatc aggtctacga gggcgtggag 60

gtgcaggttt tccgtctggc ctcaaatggt ctttcatgcc caaagtgtct gatggacgtc 120

cttcttatct tgttgttaat gctgatgaga gtgaaccagg aacttgtaaa gacagggaaa 180

tcatgcgcca tgacccccac aagcttctgg aaggttgcct gattgctgga gttggaatga 240

gggcatcagc tgcttacatc ta 262

<210> 7444
<211> 95
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018g01b1

<400> 7444

gtaagttaat aagagaacct acaggattgt atgctgtatg cactattgtt ctgtgtccac 60

gtgtactgtt ttattcatgg acggtcggtt gatcc 95

<210> 7445
<211> 406
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018g02b1

<400> 7445

tcacgcgtcc gtcctcctaa accactctcc ctatccccgt gtccagaagc tacccccccgg 60

ctccaatggc ggcgaaggaa ccgatgcgcg tgctcgtcac cggcgccgca ggacaaatcg 120

gatatgctct tgttcccatg attgccaggg gagttatgct tggtgcagac cagcctgtta 180

ttctgcatat gctggatatt gaatttgctg ctgaagctct taaaggtgtc aagatggagt 240

tgattgatgc cgcatttcca cttctcaagg gagttgttgc aacaactgat gttgttgagg 300

cctgcactgg tgtgaatgtt gcggttatgg ttggtggatt ccccaggaag gaaggaatgg 360

aaaggaagga tgttatgacg aaaaatgttt caatctacaa agctca 406

<210> 7446
<211> 289
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018g03b1

<400> 7446

gattttgcca gggaccacgc tatctggatt ggccaagctt aagacagttt ttaagaagga 60

tgggactaca actgcaggta attctagcca agtgagtgat ggcgctggag ctgttcttct 120

catgaagaga tctgtagcgg tgagcaaggg gctccctata cttggcgttt tcaggagttt 180

cgctgctgtt ggagtggatc cagctgttat gggcgtcggt cctgcggtcg ccatacctgc 240

tgcagtcaag tctgctggcc ttgacattga cgacattgat ctctttgaa 289

<210> 7447
<211> 261
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018g04b1

<400> 7447

ttgtacgtgg acgaggcgct cctcgccgcc gccgcctaca tgcagatccc cacgggcttg 60

ccgaggctgc aagtggggcc cgagggcaat aaacaaattg ttcgttcggg ttcaagcaga 120

cgggttggat taatcagacc aaattcaccc aagtcccctt ttgctagtgc aagtacttta 180

gagagtgtag aggggtctga tgaggatgcc gcgatgaaag tcaacggcaa actagataat 240

ggccatgcga gcacaaacag a 261

<210> 7448
<211> 208
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018g05b1

<400> 7448

ggactttgat aacaggatgg tcaaccactt tgtccaggaa ttcaagagga agaacaagaa 60

ggacatcagc ggcaacccca gggctctccg taggctgagg acagcttgtg agcgggcgaa 120

gaggaccctc tcctccactg cacaaaccac cattgagatt gactcgctgt atgagggcat 180

cgacttctac acgaccatca cccgtgcc 208

<210> 7449
<211> 276
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018g06b1

<400> 7449

ttcacgcgtc cggatgaaga tagcggaatc gagatagggc gtacagttaa gaagttccct 60

cttttaacac caagagagta catattggca tggcgagttt gggcatcaga tgagaactct 120

ttctattgct tggtcaagga atgtgaacac tctcttgcgc caatacaaag aaaatttgtt 180

cgagtacgac ttctgagatc ggggtggtgt attaggaaag tccctggaag agacgcatgt 240

gaaatcacag tgctgcacca tgaagacaat ggcatg 276

<210> 7450

<211> 192
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018g07b1

<400> 7450

tccacgcgtc cgggccaccc gccagcggtc ggctagggat tggtcggctc cttcctcctc 60

cgctcagatt catccacttc tgcctcagct gcggctgtcc gctacaacat caggctccgt 120

cgacgccgcg cagtgcctcg gtgagccgtg tgagcagact gccccctctg tatctctccc 180

aatctctccc ct 192

<210> 7451
<211> 309
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018g10b1

<400> 7451

tcacgcgtcc gggtgaattc actgattctc agattgttgt gatgcttggt gagaacggca 60

cagggaaaac tacattcatc agaatgctgg ccgggttgtt gaagccagat accatggaag 120

gaagtgaggt tgaaattcct gaattcaatg tgtcctacaa gcctcaaaag atcagcccaa 180

aattccagca tccagtgagg cacttgctgc attcgaaaat acgcgattca tatactcatc 240

ctcagtttgt atctgatgtt atgaaaccac tacaaattga gcaactcatg gaccaggaag 300

tcattaatt 309

<210> 7452
<211> 304
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189018g11b1

<400> 7452

gcggcgcaag ccatggccac ggtggagcag cagcagcaga tcgagcacag ccacctcgcc 60

atcagaggcc tcagcctcca cgtagcgcaa gcaggcacag gcgagctcgg gacggtgctg 120

ttcctgcacg gcttcccgga gatatggtac tcgtggcgcc accagatgct ggccgtggcc 180

gccgccgggt accgcgccat cgcgccggac tggcgggggt atggcctctc cgaccagcca 240

ccggagccgg aggctggggc ctacagcgac ctgacagagg atctnctcgc cgtcctggat 300

gcgc 304

<210> 7453
<211> 409
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018g12b1

<400> 7453

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aggatgagga tcgtccacca gcacggccca tgctctcctc tggccgatgc gcacggcaag 180

cggccggccc acgacgagat cctcgccgcc gaccagaacc gcgtcgtcgt cggggacggg 240

gtacctggac ttcggcccgg ggtcggcggg caacaacgcg aggctgacgc cgatgctggc 300

cgacaagggg ccgacgttct actacgtggg catgaccggc atccgcgtgg gcgggcagca 360

ggtgcccatc gcggagtcgg tgttctccac ggacgggacg ctggtggac 409

<210> 7454
<211> 102
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018h01b1

<400> 7454

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ctggtctcca cgcagaagct ggccatgtcc gagcgctgca cc 102

<210> 7455
<211> 177
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018h02b1

<400> 7455

tgtgcttagg gtgaagcaga ggccaagtac ctgtctggcc tcggtatcgc ccgccagcgc 60

caggccattg tggatggcct gagggacagc gtcctgggct tctcagtcaa tgtgcctggc 120

actcactgca aaggacgtga tggacatggt gctgatcacc cagtactttg ataccta 177

<210> 7456
<211> 225
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018h03b1

<400> 7456

acctgtttgg tggcgatgtg ctgcgccgag cacgacgcgc acgccggcga gacgcagtgc 60

ctcacccaca ccgtcggacg gatgctcgcc acgctcgagc tcaggtccac cccaatcaac 120

accaagggct acgagacgct gctccggctc gtcgacaaca cctgcagcga cagcttcgac 180

ctctacaacg gcctcttcat gtacaacaag aactccaccg acctg 225

<210> 7457
<211> 373
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018h04b1

<400> 7457

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aaagggaagc gagttctcgg agattcacat ggaaagcgta gtcaagaaca tggtcttgga 180

tgaaagtgcc gagaggccta aagtaggttt aatggtgatg cctggtttct tgattgggac 240

tagcgtcata caggcccgag tgtacctatc agatgtcaaa tatgctgact gaaaatgctg 300

cagctgcttg ggaagattca gggcgtatta gttcctgcgg gctcatttag ttgcatctga 360

aatggcgggg gac 373

<210> 7458
<211> 275
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018h05b1

<400> 7458

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tgcatccgcg gatatgaaga tcacggtgcg gggatcgacg gtcgtggtgc cggcggagga 180

gacgccgcgg ctccggctgt ggaacgccaa cccggacctg gtcgtgccgc ggttccacac 240

gccgagcgtc tacttcttcc ggcgcggcgc ggggg 275

<210> 7459
<211> 256
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018h08b1

<400> 7459

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agcaagaaaa agatggcgac ctctcctgaa tctctgtgtg gcatttgtcc acagtctttt 120

cgacactttg ttgagtatgt tgtgaacttg aagtttgacg aagaacctaa ttacgccaag 180

tgcatctctc ttttttgacgg cattgttggt ccacatccag acaccagacc aataaacaca 240

gatggtgctc agaagc 256

<210> 7460
<211> 440
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018h10b1

<400> 7460

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gcctactcgg ctcaagatcg cacaaggagc aagcctgggc ctttcttata tccatgatgc 120

ctgcaaccct caaattgtcc atcgtgacat caaatctggt aatatcctac tggacaaaga 180

atttaaagct tatgttgcag actttgggct agccagattg atccttccca acaacactca 240

tgtcacaacg gagctggtag gtacgatggg ttacatccca cccgagtatg ggcaatcatg 300

ggttgctacg ctgagaggtg atatatacag tttcggagta gtcctgcttg agctgctcac 360

aggaaggcga cctgtttcag tgttttgtac accaaaagaa cttgtcccat gggttttaca 420

gatgaggtct gagggaaagc 440

<210> 7461
<211> 299
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018h11b1

<400> 7461

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cttgcgcatg atgggttatc agacaatgca tatctccttg taccagaagt tctgaaaaag 180

attgtagctt cggtcctttc atgtgaagcc atttataaat gagctttcac gttcgatgca 240

caattcgact gtttgcgcca tgaacgagct tcacttgtat gaagattctg aaaaggcaa 299

<210> 7462
<211> 423
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189018h12b1

<400> 7462

tggacgcgtg ggcgatttgc atggacaagg gccacctcgg tggcggcgga ggaggaggag 60

gactgctcgc cctggacgcc tcgccgcggc agctcggctt cctgaacttg ctatcaccgg 120

cgccgttcca caggagcatg gaggcggacg acggcggcgg tggcggcggc ggcaggggga 180

ggaggtccat cgaggttgac ttcttctccg acgagaagaa gaacatgaag aagagccgcg 240

catcggccgg tgctgacgcg gaggaccaca aggatcaggc ctacgacgcc ggactcgcca 300

tcaagaagga ggacctcacc attaacctcc ttaccgggaa caacacgagg agcgaccggt 360

ccatggtggt cgacgacgac ggggcgtccc gggccgacga ggacaggaac ggcaggaaca 420

ccg 423

<210> 7463
<211> 434
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189020a01b1

<400> 7463

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cactctccct tccaggaagc ttggaccgaa ggaaggagct gagaggaggc catgggggaa 120

ttctccaagg aatcttgccc ttccgtgaag aacattttgc tactggattc tgaggggaag 180

cgtgttgctg tgaagtactt ctccgatgat tggccgaata acgcatctag gttgaccttt 240

gaaaagtcca tttttactaa aactctgaag acaaatgcac gctccgaagc tgagataaca 300

ttgcttgatg gttatattgt tgtttacaan gtttgtacaa gacctacact ttttcgtcac 360

tgccggagat gatgagaatg agctcatcat acaaatgtgc acagggtttt gctgattcgg 420

ttggtcttct acta 434

<210> 7464
<211> 431
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020a02b1

<400> 7464

ccaagaaagt aaattgcata atccacttag gtccatcttc tgtgacaaat actgttgatt 60

atcagaactg gatgaaatct tttggcacca cacagcatat catggcaggg catgaaaata 120

aaaacatgga agttcctatc ctgaaaggta gtgcaaggat atcttcacgt cttaattttg 180

tatgccctca gctcttccca tcctctgggt tttggcctgt ggaacctgca aatggtattg 240

atttggagaa gaataagagt acttcattcc aagcctgtga aagtgtgaca gcagcaaact 300

tgctgaagtt tcgtctgcgt ccatatgctc aactggggtt ggatagagct tctattccaa 360

gcttgtttag ttatgaagaa attgtagatg aacttatttc tgagattcct gagattaaag 420

aagttcctga g 431

<210> 7465

<211> 434
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020a03b1

<400> 7465

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tctttgctga ccctcatggt cgtggcctgc gcgccctctc cagggcccag attgactctg 180

ttcttgatct tgcacggtgc accattgtgt ccgagctctc caacaaggac tttgactcgt 240

acgtgctatc cgagtcgagc ttgtttatct actctcagaa gattgtgatc aagacctgtg 300

ggactaccat gctcctgctc accattccaa ggattctcga gctggctgaa gagctgtgca 360

tgtcgcttgc tgctgtgaag tactcccgtg ggatgttcat cttccccggt gcacagcctg 420

ctccccacag gagc 434

<210> 7466
<211> 389
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020a04b1

<400> 7466

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ttccttagcg acgaggccac ccagagctcc acaggaaaga agcgcgaccg gagaaagaag 120

gagagcaaga tgtcgtcggt gttcagcggc gatgagacgg cgcccttctt cggcttcctc 180

ggcgccgccg ccgccctcgt cttctcatgc atgggggcgg cctacgggac ggccaagagc 240

ggcgtcgggg tggcgtccat gggagtcatg cggccggagc ttgtcatgaa gtccatcgtg 300

cccgtcgtca tggcgggagt gctcggaatc tacggcctca tcatcgccgt catcatcagc 360

accgggatca accccaaggc caagcccta 389

<210> 7467
<211> 444
<212> DNA
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<223> Clone ID: uC-tsrow189020a05b1

<400> 7467

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cgagatgagc cgcggatcgg gcgcgggcta cgaccgccac atcaccatgt tctcccccga 180

gggccgcctc taccaagtcg agtacgcgtt caaggcggtc aagtcggcgg gggtcacctc 240

gatcggcgtc cgcggcaagg actccgtctg cgtcgtcacc cagaagaaag tcccggacaa 300

gttgctggat gacaccagca tcacgcacct cttgtcgatt accaagtaca ccggcttgct 360

tgccaccggc ctcacagctg atgcgaggtc cttggtctcc caagcaagaa atgaagcagc 420

tgagttccgt aaaaaatggg gata 444

<210> 7468
<211> 350
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020a06b1

<400> 7468

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ctacggagcc ccaccgccct ccggccagaa gccccccaaa gaaggcaaga cctcttcctc 180

ctccggcccc gacccctacc acggcgctcc gcccccgcag cagccttacg gcggcggcgg 240

cggctacgga gccccaccgt cctacggcca gaagcctccc aaggaaggca agacctccta 300

ctcctccggc tccgacccct accacggcgc tccgcccccg cagcagcctt 350

<210> 7469
<211> 393
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020a07b1

<400> 7469

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caattagggc attcaaatcc cttacattcc taatcattga caattgtgag aacctggcaa 120

cccttgatgg tcttctaaca gaactatgtt tgcctgccat tcgaaagatt gatgttagga 180

attgtggcaa gttacagttc ctttttggtg aaaggcctgg gagttttcct tcccttgaag 240

atctgttgct tcatgattgc cctagcctca aatggccaag ggaattagtg ttaccatcat 300

ccctaaaaaa gctccactta gttcgatgtg gggatatttc ctcctggttt tcaagctgtc 360

tacagaacct caaatctttg gctgaactgg ctt 393

<210> 7470
<211> 412
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020a09b1

<400> 7470

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atggtggcca ccgcctgggc tccgcaaagg gctatcctgg ggcaccgggc ggtgggggcc 180

ttcgtgacgc actgcggatg gaactccgtc ctggagacgg tggcggcggg cgtgccggtg 240

ctcacatggc ccatagtgtt cgagcagttc atcaccgaga ggctgctcac gcaggtccta 300

gggatcgggg agcggctgtg gccggacggc gccggcgttc ggagcacgag gtatgaagaa 360

aacgaggtaa tccccgccca agatgtggca cgggcattga cgaccttcat gc 412

<210> 7471
<211> 425
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020a10b1

<400> 7471

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cctgttggta gggcgactct tgggcgtatt atcaatgtta ttggtgagcc aattgatcac 120

aagggagata taaaaacaaa cagttacctg cctatccatc gtgaagcccc tgctttcgtt 180

gagcaagcta ccgagcaaca aatccttgtt actggaatta aggttgtgga tctacttgca 240

ccctatcaaa gaggtggtaa aattggtctc ttcggtggtg caggggtggg caaagacaga 300

gaaaccacca tgggccttgg caacgttgtt ggagaacgta cgcgtgaggg taatgacttg 360

tacagggaaa tgattgagag tggtgtcatt aagcttgacg acaagcagag tgagagcaag 420

tgtgc 425

<210> 7472
<211> 384
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020b01b1

<400> 7472

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ccgaggtctg acctgggctc caacccttttc aactcatccg gctggctcgc tcttgagctc 180

ggcgtgatcg tcgcgcagat ggtcatcacc accaccgttg tggccacctc cccaaaggaa 240

cgccccgcgt ggccgcttcg gctctgggtc tgcgcgtaca acgtcggcaa cgtgctcagc 300

ctcccactcc tctactggcg ccaccgacat tcatcggccg ccggacgagg cgacgacccc 360

gagatgcacg gtgccggtga cgct 384

<210> 7473
<211> 439
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020b02b1

<400> 7473

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gagacgcagc agagctggct gctcggcccg ccggaggcca agaagaagga ccgctacgtc 180

gacctcggct gcgtcgtcgt caagcgcaag ctcctctggt ggatgctctg ggtcgtgctc 240

ggcgccttcg tcctcatcgg cctccccatc atcatcgcca agaacatccc caagaagaag 300

ccccacgccc cgccgtccga caagtacacc gacgccctcc acaaggcgct cctcttcttc 360

aacgcccaga aatccggcaa gcttcctaag aacaacggca tcccgtggcg cgggaactcg 420

ggcatgaagg acggcgcgg 439

<210> 7474
<211> 379
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020b03b1

<400> 7474

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gttctccgaa cggttatacg ccctttggga atatcaaaaa gatcaatggt gattcaagct 180

cagccttccc tgcccccaga ggccctccac ccagttcaat gccgaccttc gaaactattc 240

cgagacttcc cccttactgt tcacttccaa cccatggttt gcagaaggca ttccctcctc 300

cacctgccta tgactacaat cagtttagct tcagtaggcc ttccgcagtt aatccatatg 360

gaatttatca agatcccta 379

<210> 7475
<211> 321
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020b04b1

<400> 7475

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catgtcgctg attccccgcg gcaacgcctt cgacccctte tccctcgacc tctgggaccc 180

cttcgacggc ttcccccttcg gctccggcgg cagcagcagc ggtggcagcc tcttcccctc 240

gttcccgcgc atcagctccg agaccgcggc cttcgccggc gcgcggatcg actggaagga 300

gacgcccgag gcgcacgtgt t 321

<210> 7476
<211> 433
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020b05b1

<400> 7476

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agctgacctg gacgattcta gcttgaacat ggataatgag gtttgcttca caattttgca 180

aacattgatt cttttactaa gtttatcaac aagtcgatat agaatcagta actgcagttc 240

tggaactatt tacaggaatg tgcggctgct tttgtatttt tcaaaactcg gtatggagca 300

cttgttgcgt cagacgttct tcagacatcg aaccctacca agtgggttac tgatccagct 360

ccagaaccaa atgatgtgta ttggtcaaac atttggcttc cctacaagca gctttggatt 420

cgaaggatag cga 433

<210> 7477
<211> 337
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020b06b1

<400> 7477

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aaggagcacg gcagcaacat gtaaaagcct ttcgaagttg tgaatgagag aagagcaagc 120

acctatgtcg gcgaggagat cctcgtcgcg gccgtggcag ggcgtctgtg cagctgcacc 180

tgtcttggga acagcacgtc gtcgtggccg tcgtcgagtg actcggcgac ctcgtcgtcg 240

cggccgtagt cggatgcctc ggcggctgcg cagggcggcg acgtcgcggc cgtcgtcggt 300

gcggccgtcg tcagatgcct cggcggctgc gcatggc 337

<210> 7478
<211> 406
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020b07b1

<400> 7478

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aggcgcagcc gacacgcccc tttcctgacc cctatcccgc ctagcccgtg ttcctctccg 120

tgcccggctg cacccctatg ttcttccgcg atcgaggccc gtaggcaccc ctctgtccgc 180

cgcatctcag gcgacgtcag cgacgaccaa ggacagcagg agcgccacaa gaacacttca 240

tcagcaatac attgatcagt agttcctgag gtgcaccatg gaaattatca tcctcatctc 300

acttgttgtg cttcttgtac tgggagcact ctttgctatc ccggatccaa aacaaaggtg 360

aaggaaagga tgcacgtgca gcctgaaatg gaacgacatc tacgag 406

<210> 7479
<211> 376
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020b08b1

<400> 7479

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ctacaaaaga ttgtggagac ggtgaaacaa gcatgccatg ctatgtgctc gtgtgatgaa 120

tggtgccccc tgtatcttca tcttgtgaat tgtcccgtga ataagaacat gtgcactgtc 180

tccacctgcc gtgtaaattt atgtgtgcct gtataacaga agactgagac tgtgctagct 240

atgtttgtgg ctctctagtc ttaccggctt tccgtgacag caattacact gttggaaaat 300

gtatctgctc aaagagatat tcagaagcat atcaagacgt ttgaaaaaaa aaacccacgc 360

gtccagggac gcgtgg 376

<210> 7480
<211> 250
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020b09b1

<400> 7480

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aggttcgaca accaggagaa ggtccgcgtc gacgaggccg aggccgcccg ccaggaccag 180

ctccagcgcg aggccacccg ccgccgagag tcgcacgccc gcctcgtcgc gctccgccgc 240

aaccggggcc 250

<210> 7481
<211> 107
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020b10b1

<400> 7481

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gggccctcct taaaaattcg gaggagctcg ccgaccggcg gatcggc 107

<210> 7482
<211> 411
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020b11b1

<400> 7482

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gtggttttcc ttggcctgcc cttcttggcg cattgtttcg tccgtctcga tagtcgacag 180

tctgaagctc tcttgggact gacttgggag gtgaggtgag acggcgcggc agcaatggct 240

caccggctgc tgcacggcac cctccacgcc accatcctgg aggccgacaa cctcaccaac 300

cccgaccgcg ccaccggcgg cgccccccag atcttccgca ggttcgtgga ggggttcgag 360

gagacgatcg ggcgcggaag gggtcgacgc agctgtacgc gaccgtcgac c 411

<210> 7483
<211> 404
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020b12b1

<400> 7483

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cctccacgaa ctgctcctcc ggcgggggca acggcaaccg gggtcatcat cctccctctc 180

cccggatctc gtctctgccc agagatcgaa ggaccttctc tgttgtctga aatttgtacc 240

caagtgagca gctgtactga agaacatcga acgttttgca gtgcatctaa ctaacctgac 300

ctcacaagtg ctgatttgta ggtctgctct gaaattagaa gttggcttta tctgaagacc 360

ttgtgtaaaa ttgcttggtg cctttcgaaa gatttcactc agag 404

<210> 7484
<211> 307
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020c01b1

<400> 7484

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aggttgccgc tccggttgcg gcccctaccc cagttcttgg agagcccatg gacttgatga 180

ctgctctgca gcttgtgatg aagaagtcaa gcgctcatga tggccttgtc aagggactcc 240

gtgaagctgc gaaagcgatt gagaagcatg ctgctcagat ctgtgtgctt gctgaggact 300

gcgacca 307

<210> 7485
<211> 443
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020c02b1

<400> 7485

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ccgtgcagtg ctaccaaagg aggtcgaggc tgcccggacc tccgtggaga acggcaccgc 120

cgcgcagcag aaccgtatca ttgaatgccg gtcatacccg ctctacaggt tcgtgcgcaa 180

ggagcttggg actgagtact tgactgggga gaagacacgg tctcccgggg aagaggtcga 240

caaggtgttt gtcgccatga accagggcaa gcacatcgac gcgctgctgg agtgcctaaa 300

agagtggaat ggtgagccct tgcctatctg ctgaacagag gatcaagaaa ctgaagagaa 360

gacagtgtgc agaaggctct gtatcttctt agctgataag tgataatagt ttttcaattg 420

tattttctta agatcgatgt ttt 443

<210> 7486
<211> 393
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020c03b1

<400> 7486

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tccgctcatg atctacaaga cgagaagcaa gcccagtttt gctcctagct agctgctttc 120

tcctcctcct ccaatctcca gcaacgaatg aaggagaagc tggcaaccat attcatatcc 180

ataatccata tctatatgcg agctattgct tgctagaaag cttcttgctc gcatactcgg 240

aaatgggcgg atacgagttc cagagggcgg agctagatgc actggaaggg cgtcgtacgc 300

gatccaactg cggagccaat gagtctgacg ttgccgcttc tcaggcacat aacaaatgat 360

ttctcccctg aatttgaaat tagtaaagat gat 393

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<211> 440
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020c04b1

<400> 7487

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ggaaaatgtc taccgctgag gcaacccgtg aggagaatgt gtacatggcc aagcttgccg 180

agcaggctga gcgttacgaa gaaatggttg agttcatgga gaaggtggca aagaccgctg 240

atgttggtga gctcactgtt gaggagcgca acctgctctc tgttgcttac aagaatgtga 300

ttggtgcccg gagggcttcc tggaggatca tctcctccat tgagcagaag gaggagagcc 360

gtgggaacga ggcctatgtt gcttcaataa agagtaccgt accaggattg aaactgagct 420

cagcaagatc tgtgatggca 440

<210> 7488
<211> 346
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020c05b1

<400> 7488

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acggccatgc agacggacca ggcggggact aagagcgggt ccaccctgcc ggcgcactgc 180

tgcaaacagg aggagaaagc ggtggccaag cctcagcttg ttgttggcga tctagtggac 240

ttggcatcag cggaggagca aggccagaag cctagccctc accggagtaa caaaaagaag 300

atccaccacc accaccatga cgacgacgac gacgatgatg atggtg 346

<210> 7489
<211> 399
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020c06b1

<400> 7489

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gatctggtgc agaaggtccc ggatggttgc atatttacca tcgtctccga ctcatgccac 300

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<210> 7490
<211> 412
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020c08b1

<400> 7490

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tggtgcagga atgaggatga taacaagaca gatcggacct ggcatgatcc aacagatgaa 180

tactgtttgc cctgaatgca gaggatcagg cgagatgata aatgacaagg atagatgccc 240

aagctgcaga gggaacaaag tatcccagga gaagaaggtc tcggaggttc atgtggagaa 300

gggaatgcaa catggccaaa agattgtatt ccagggtgaa gctgatgaag ctcctgatac 360

agtgacagga gacattgttt ttgtcttgca acttaaagag cacccaaaat tc 412

<210> 7491
<211> 412
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020c11b1

<400> 7491

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cactgagttt gatgagaatg aaaatgggcg tgccaaggcc aaggccccaa caaataacgt 180

agatggaatg aaaaagggtt tgaaagattc tgctactgtg aaagccgagc cacaagattc 240

agctccctct atcaatattc ctgttctatc tttggatgaa ttaatagaaa agactgatga 300

ttttggggca aaggctttaa taggcgaagg gtcttatggg agagtgtact atgctgtcct 360

tgatgatggg acaaaaatgg cagtgaagaa actcgatgct actgaaaatg ag 412

<210> 7492
<211> 407
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020c12b1

<400> 7492

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gcgcgaagct gtcggcgaac ccggagaagg tgacgagcgc gctgctgctg ggctcgttcg 120

tggcgctggc gttccggtcg tcggagcagc agggcgagat cgacgagctg gaggcccgca 180

agtcctccct ccgcgccgcc aactccgcca tgtcctccac catgtgggcc tggagggagg 240

agctcgtcaa gctcgccgcc atgccctccc cgcccatcac cgccgcccgc ctccgccaca 300

tctacggcga ggaggacctc gccgtcccgg cgcccaagcc gtcaggcccg gatgccgagg 360

aggaacatgt tcccctaaaa atatcatgaa ctcttccccg atgcttg 407

<210> 7493
<211> 440
<212> DNA
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<223> Clone ID: uC-tsrow189020d01b1

<400> 7493

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cgcagaacaa aatgcagcga gcaattcaag ctatcggatc acatggcagt gtgctcaaat 180

ctgctgtcct gcaacacatc agtgttgtga agcctgctat gctgcctgct gtgttcccgc 240

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cggacatttt gaagtccaaa gggaagagtg ctgatggatc atggctctgg tgcaccactg 360

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<223> Clone ID: uC-tsrow189020d02b1

<400> 7494

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caccgggttc gccagcatct acggccaccg cgtaggcatc atcgccaacg acggcatcct 180

cttcgggacc tcgtcccaga agggcgccca cttcatcgag ctctgctcgc agcgcggcat 240

ccccctcgtc ttcctgcaga acatcagcgg attcatggtg ggcaaggact ctgagcgcga 300

cggcatcgcc aagcacggcg ccaagctcgt cacggcgttc gcgtgcgccg acgtgcccaa 360

gttcaccgtc gtcgtcggcg gcagctacgg cgccggcaac tacggcatgt gc 412

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<212> DNA
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<223> Clone ID: uC-tsrow189020d05b1

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<212> DNA
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<223> Clone ID: uC-tsrow189020d06b1

<400> 7498

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gccgcccggt gatgtcggac gaaggggagg acgcgcccgt ggcggcggtg gcggcgggct 180

tcgggctgcc ggaggagctg gcggccgtgc tgccggcgga cccattcgag cagctggacg 240

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gcgtcgagca gctcgagt 378

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gcaagtcttg gttgatagtt tctgccagaa gcttgtagaa gaatttaatc gttctccagc 180

tcgagtcgga agcagagctc tacaggctac acaggttcga ggatggttcc ttgataagct 240

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ctcagaacca gatgcgttag tttctgagat aaagacttca gcttctgaag aaaaagcttt 360

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<212> DNA
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<223> Clone ID: uC-tsrow189020d11b1

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gcaagctgaa cgcggcggtg ctgaaggagg gcatcgacgc gacggggcgg ttcgacgtgc 240

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gcgtgtttga catctcggag aacctgaggc ggttcgggtg gatcgtgccg gcctacacga 360

tgccggcgga cgctgagcac gt 382

<210> 7501
<211> 427
<212> DNA
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<223> Clone ID: uC-tsrow189020d12b1

<400> 7501

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atcatcgtcc tcaggaaccc gaaatgagtt tgacgactcg gcgtaaacca gaagagtctg 240

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gacagttatc aagcaagcat tgcctgtact gattaatggt ttggtgctgt agtctggatg 360

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gatcatc 427

<210> 7502
<211> 443
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020e01b1

<400> 7502

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catcatcggc gacacaggcg tgggcaagtc atgcctgctg ctgcagttca ccgacaagag 180

gtttcagccc gtgcacgacc tcaccatcgg cgtcgagttc ggcgcccgca tgatcaccat 240

cgacaacaag cccatcaagc tccagatttg ggacacggct ggccaagaat cattcagatc 300

tataacaaga tcatactaca gaggtgctgc tggtgctctt ttggtttatg atatcaccag 360

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caatatgaca gtgatgttaa tcg 443

<210> 7503
<211> 363
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020e02b1

<400> 7503

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atggacaggt tataacaatt gaaaaagagc gctatatagt tggcgaagct ttgtttcaac 180

caagcatctt gggcttagaa gattatggca ttgtccacca gctaattact agtgtttcaa 240

acgtcgcatc agagtaccaa aagcaactgc tggagaacac tatgttatgt ggtggcactg 300

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tcc 363

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<211> 440
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<223> Clone ID: uC-tsrow189020e03b1

<400> 7504

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aatggttatc aactgatatt ccttagcgct agagccattg tccaggcata tctgacaaaa 180

aacttcctct tcaatctaaa acaggatggg aaagttatgc ctaatggacc tgttgtaatt 240

tcgcccgatg gattgttccc ttcactctac cgagaagtta tacgaagagc accacatgag 300

ttcaagattg cctgtctgga ggacattaaa gcacttttc cttctgacta caatccattt 360

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<212> DNA
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<223> Clone ID: uC-tsrow189020e05b1

<400> 7505

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cgtcttctgc gaccctggcg tgtacgcccg ggctgcgaaa g 401

<210> 7506

<211> 398
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<223> Clone ID: uC-tsrow189020e06b1

<400> 7506

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caagaaagac tacaacctgg cgaagcaccc gcagattgac gtgccgaacc tccaggtgat 180

caagctcatg cagagcttca agtctaagga atacgtcagg gagaccttct cgtggcagca 240

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ttctggccca cctggtgacc ggccaagggg gccacctc 398

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<211> 431
<212> DNA
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<223> Clone ID: uC-tsrow189020e07b1

<400> 7507

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gaaggggggа aatcaatccc catgccccca cccctcgccg gaccagatcc ccggcgggcc 180

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gcgctcagcc tggacggcgg cggcgtcccg gaggaggcgc tgcacctggt gctcggctac 300

gtggacgacc cgcgcgaccg cgaggcggcc tcgctggcgt gccgccgctg gcaccacatc 360

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<210> 7508
<211> 407
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<223> Clone ID: uC-tsrow189020e08b1

<400> 7508

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cggcggcggg gctgtgcggg atggagcacc tcatcctgca gctctcccgg acaggcacca 180

gcgagagctc gccggttggg tcgtcggagg cgccggagca gcaggtagac tgccgggaga 240

tcactgatat gaccgtgtcc aagttcaaga aggtgatttc tatcctcaac caccgcactg 300

gccacgccag gttccggcgc gggcctgtgg tggcgcagtc ccagggcccc gccgtgtccg 360

agccggcgcc ggtgagggcg tcttcgtcga ggtccatgac cttggac 407

<210> 7509
<211> 426
<212> DNA
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<223> Clone ID: uC-tsrow189020e10b1

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ggttcagcgt cggctccgcg gcgtggagct gctaccacga gttcgtcgcc cagctccccg 300

cgcgggcggg ctgcgccgtg atgtccgtcg actaccgcct ggcgccggag aaccggctgc 360

ccgcggcctt cgacgacggg ctcacggcgc tgcggtggct gcggcagcag gcgggcagaa 420

acaacg 426

<210> 7510
<211> 427
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020e11b1

<400> 7510

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ggtggtcaag tcgactgttc ttgcgacctt ccagagcaaa tcatcgatgg tgcttgagct 420

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<223> Clone ID: uC-tsrow189020e12b1

<400> 7511

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<400> 7512

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<210> 7514
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<223> Clone ID: uC-tsrow189020f04b1

<400> 7514

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<223> Clone ID: uC-tsrow189020f05b1

<400> 7515

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<211> 331
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<223> Clone ID: uC-tsrow189020f06b1

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<400> 7517

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<223> Clone ID: uC-tsrow189020f09b1

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<210> 7519
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<223> Clone ID: uC-tsrow189020f10b1

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taatctcagc ccgtaagact gccgaggcca tcgacattct gaagctcatg tcctctacat 240

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gcctccacac gcacgtttct gtgagaagga cctgctccaa acaatcgacc gcgaggcggt 420

gtttgcatac gcagacgacc cttgcagc 448

<210> 7521
<211> 328
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020g01b1

<400> 7521

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catgtggatg tgaagacaac tgacaactac atgcttcgca tgttcgccat tggcttcacc 120

aagagacgcc cgaaccaggt gaagcgcact tgctatgccc aagcaagtca gatcagacag 180

atccgccgca agatggttga gatcatggtc aaccaagctg caagctgtga cttgaaggag 240

cttgtgaaca agttcatccc tgagggtgat cggaaaggag attgagaagg ctacctcaag 300

catcttcccc ctcagaaacg tgtacgtc 328

<210> 7522
<211> 414
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020g02b1

<400> 7522

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aaggtcctca ccgacgtgcc cgccgccacg gccctccctc caaatcgtcg ccgacccgag 120

aatctccgtt caacagcaag gtcatggcag aaaccataga tctaacaggg gatggaggcg 180

ctcttaagac ggtggtcaga aaagcaaagg atgatgctat aagcccatct gatagccttc 240

cattggttga tgttcattat gaagggacac ttgctgaaaa tggcgaagtt tttgacacca 300

cacatgaaga caattctatt ttttcatttg aagttggcca gggagctgtc attaaagcat 360

gggatatagc cttaagaact atgaaagttg gcgagattgc aaaaataaca tgca 414

<210> 7523
<211> 358
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020g03b1

<400> 7523

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ccgtcgcgtc gatcgccatg tcctcctcca cggggagctt ggaccacgca gggttcacgt 120

tcacgccgcc gcccttcatc acgtccttca ccgagcttct gtcagggtcc ggcgccggcg 180

acgcggagcg gtcgccaagg gggttcaacc gaggggccg ggccggggcg cccaagttca 240

agtccgcgca gccgcccagc ctgcccatct cgtcgccctt ctcctgcttc tccatccctg 300

cgggcctcag ccctgctgag ctgctcgact cccccgttct cctcaactac tcccatat 358

<210> 7524
<211> 443
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189020g04b1

<400> 7524

ttgtatcccc tcctcacttc gcccctcccc ctctcctatt tcttctctcc gggccccggg 60

ccaaaattcc atcctaagtt ccatcgaaga gggcggcaag gggcgatccg gatagcgcaa 120

gagcgaccat ggcctacgtc gagagaggtg ttgtgaaagg caaacggaca atctggagac 180

taagcataat ccccgacttc tttaaggcta ttgtgaactt catcagaatg ttcttcctca 240

caatgttttc tatcgagaaa acagacagct ataagaaagg atatggtagt ggtaagaagg 300

cgattggtgg acctggggng ggaggtcctg gtgggggtcc aatggtgctg gggccgcgtg 360

gncaaggtgg ccctcgcggt cctcgcacac tatctgacct ccgatcaaac gatcagagtt 420

ccctccctgc ttgtggatcc tgc 443

<210> 7525
<211> 444
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020g05b1

<400> 7525

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gcggccaaga cgcagtggta ccacttcacg gccatcgtcg tcgccggcat gggcttcttc 180

accgacgcct acgacctctt ctgcatctcc ctcgtcacca agctcctcgg ccgcatctac 240

tacaccgacc tctccaagcc cgaccccggc acgctgccct ccggcgtcgc cgccgccgta 300

acggcgtcgc cttctgcggc acgctcgccg gccagctctt cttcggctgg ctcggcgaca 360

agatgggccg caggagcgtc tacggcatga cgctcattct catggtcatc tgctccatcg 420

gctccggcct ctccttcgcg caca 444

<210> 7526
<211> 444
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020g06b1

<400> 7526

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tgaaaaggac aagcggctca ctgcccttca tggttcaatt gagagcttga tttatgaccc 120

agagcaaaac gatgtacaca ttggacatct ggatgaccga tcaaaaccaa ttctcttctc 180

catggcaaga cttgaccgtg ttaaaaacat gacaggacta gtggaagctt atagtaaaaa 240

tgctaagcta aggtcgctgg taaaccttgt tgtggtcgct ggctacaaca atgtcaagaa 300

atcaaaggat agagaagaga tcgcatagat gcagaagatg catgaactta ttaagacata 360

taacttgttt gggcagttcc gctggatctc tgcccagacg aacaaggctc gcaacggtga 420

gctgtatcgc tacattgctg atac 444

<210> 7527
<211> 320
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020g07b1

<400> 7527

ttaggtgctg caccaggaca tgaaggtcgc cgccgtgaac tcccagtact ggatgagcgt 60

gaccaccctc atgccgctcc tcggcggctt cctcgccgac gcctacctcg gccgcttccg 120

caccgtcctc ctctccaccg tcgtctacct cctcggcctc gtcctgctcg cggtggcgca 180

gctggcaccg ggcctcaggc cgggcggcgt ctccgtgccg cgggttcacg agacgctctt 240

cttcgtgggg atctacctcg agtccgtcgg caccggcggt cacaagccgg cgcttgagag 300

ctgtggcgcc gaccagttcg 320

<210> 7528
<211> 324
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020g08b1

<400> 7528

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gtcgttgttg gtacgcctgg gcgtgtgttt gacatgctcc gtaggcagtc tctgcgccct 180

gacaacatca agatgtttgt ccttgatgaa gctgatgaga tgctttcccg tggtttcaag 240

gatcagattt atgacatctt gcacctgctc ccagggaaga ttcaaagttg gtgtcttctc 300

tgctaccatg ccccctgaag ccct 324

<210> 7529
<211> 66
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020g09b1

<400> 7529

tcgtggacgc gtgggcgcca ttggtgtgaa ctacggcatg atcgccaaca acctgccgac 60

gccggc 66

<210> 7530
<211> 438
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020g10b1

<400> 7530

tcgctcgcag agagatcggg tcggggagga ggaggatgac gggcgggcgc gcggtgctcc 60

tgctggtggt ctcggcgctg ttcgcgcaga tctacgcgtc ggatccgctg tttcacgagt 120

ccttcgacga gggcttccag gggagctgga tcgtctccgg caaggaagag tactcaggtg 180

tatggaagca cgagaagagt gatggccatg aagactatgg tctccttgtt agcgagccag 240

ccaggaaata tgccatagtc aaagagcttg atagccctgt tactttgaag gatggaacag 300

ttgtcctgca gttcgaagtg aggcttcaga atggccttga gtggtggagg tgcttatctt 360

aagtacattc gccctcagga ggctggatgg gatgccaagg aatttgacaa tgacactcct 420

tacacaatta tgtttggt 438

<210> 7531
<211> 389
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020g11b1

<400> 7531

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ggggccgccc ggccgggtcc aagaacaagc cgaagcctcc aatcatcatt acgcgggaca 120

gcgctaacac actccggacg cacgtcatgg aggtcgcggg cgggtgcgac atctccgaga 180

gcatcacggc gttcgcccgc cgccggcaac gcggggtctg cgtgctgagc ggcgcgggca 240

ccgtgaccaa cgtcacgctg cggcagcctg cctcgcaggc gcggttgtcg ccctccacgg 300

ccggttcgag atactctcac tgtctggctc cttcctaccc cctccagcac caccggaagc 360

cacggggctc accgtctacc ttgccggcg 389

<210> 7532
<211> 424
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020g12b1

<400> 7532

gaaccggacc ctgtccaagt gcgacgagct cgtcgcgatg ggtgccgccg tcggggacac 60

gccggcgtcc gtcgtcgcta agtgcaagta caccatcgcc atgctctccg atcccagcgc 120

cgcgctatcc gttgttttcg acaaggatgg cgtgctcgag caaatcggag agggcaaggg 180

ctacgtggat atgtccactg ttgatgctgc aacttcttgc aagataagcg aggcggttaa 240

acaaaagggc ggagcttttg ttgaagctcc agtttcaggg agcaagaagc cagctgaaga 300

tggccaattg gtcattcttg ctgcaggcga caaggcacta tatgatgata tggtccctgc 360

atttgatgta cttgggaaga agtcattctt tctgcgggag atgggaaatg gagcaaagat 420

gaac 424

<210> 7533
<211> 223
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020h01b1

<400> 7533

ccacgcgtcc gacgagaaag gctcaccgtg gaaccgatcg aatcgcagcg aagcagcggc 60

ggcggcggcg atggggatcg gcgagcactt tgagggcgtg aagcagcact gggcgcgcaa 120

cttcgccttc ctcgactact tcaagaaggt ctacggccgc gaccagcccc tccccaagtg 180

gtccgacgcc gacgtcgaag agttcatcgc ctccgacccc gtc 223

<210> 7534
<211> 209
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020h02b1

<400> 7534

tgacttgtgg tgcccataga tgtgaagaag aagccatggg agcagaaggt tcgtctccat 60

aaccgctggc atccggatat ccctcctgtt gctgatgtaa ctgaagggga attattccgt 120

gttgagatgg tctattgcac tggaggaccg attagagatg atgactctgc agatgatatc 180

aaatttctgg acctcaaaat tactcatta 209

<210> 7535
<211> 237
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020h03b1

<400> 7535

cggcgtcatc ctcagcaccc gaatcccgca accaaatttc gaactcgcca ccggccgaaa 60

aaggattcca cgggatcgaa agcaacagcc tcgatccata catccagctt ttctgaaagc 120

acaaggggtt taaaacccta gctggattgg gcggcggggc ccttccgcca tttgcccgct 180

gctagagtag ttgcgtgctc cagagacttc cagttcgtgt tcgtggggcg gcggcgg 237

<210> 7536
<211> 290
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020h04b1

<400> 7536

tttgtcgcgt gggccaaatt tggataatcg tgctagtgct ctcctgcaaa aggaatatgc 60

caatctgagt ggaaagagct caaaagccaa aggaggtgct agccaaaaag tcaataatga 120

aaatggtggt gctcgatcgt ttaaaggccg gcaaaaagat gcaaaaccac aagaggatat 180

taagtcaaac aaagatgaca ttaagaaacg caaggtagtg gaagaagctg aagcaagaga 240

agagggtgaa atttcagagt ctgaagaaca gattaaatat cgtttggaaa 290

<210> 7537
<211> 195
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020h05b1

<400> 7537

ttctttcgtc cggttcaaca agatcatcaa gcgcggggcg cgcaagggcg cgcgcggcca 60

cgacgcggcg gcggccgagc ccagaggcgc ggccccgtcc tcctcctccg gcggggcggc 120

gcccgtcacc gtcaaccacg cctcccgcgc ctccgcctcg cccgtgccgc cctcgcccac 180

ctcgccgcac gccgc 195

<210> 7538
<211> 244
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020h07b1

<400> 7538

tcacgcgtcc ggagagagac cggagatggc ggcttccgcg aggcaggggg agagggcgac 60

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ggccgagctc ggcctctgaa tcaacaaggg tgaggccgag gctcacagga cggcggacac 180

caagagccct ttgcctgggg cggagggcga ggaggccggc aggaagaagg agaccatgga 240

gctc 244

<210> 7539
<211> 218
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020h08b1

<400> 7539

cccacgcgtc cgcggggccg tctcattcat tcccatcatg ccatggaccg atcggtttcc 60

ggcgggagag ggtactacta ctcggcggcg ccggtgggca cgggcatggg catgggcccg 120

gtcgcgggcc agctcggcga gtggctgctc cgggccgtgc agccgccggc gcccacgccg 180

tgcgggtcgc ccggcgggcc ccctatcacc gcgccgcg 218

<210> 7540
<211> 268
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020h09b1

<400> 7540

atgcatactg caaagccctt ctgcaacttg attttatcaa gtggaatagt aaccctgaag 60

aagttctaaa acggatcaat gagtcaacta gatggtctga tgagctgcat gattatgagc 120

tacaacgcgg tttatagttt gataaggtag ctctggagga agacatcaac tatggtatga 180

gttcagaatt agagaagcat ctacaattcc ctgaccagtt gctcatgcga gaatatttca 240

atagtgtgaa aataaggaac cttgccag 268

<210> 7541
<211> 377
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189020h11b1

<400> 7541

tggaatattg gccatcagca gaggaacaaa gaaaatatct gttgaattat accaagtcaa 60

aaagaacagt aacaaagaat gtatttccta gcatccaaac acctgagttt tatgagaaga 120

tagttgttca cacactcagc cataatttcc gcaatgctac aagacttgat cgtgtgcgat 180

tgagattgcc cattgaacca caaggtgcgc tagttaaaat aatatacgct ggtgtaaatg 240

ctagtgatgt aaacttcagc tccggacggt atttcagtgg tagtgctaaa gaaactgctg 300

cacgccttcc gttcgatgct ggttttgagg ctgtgggaat tgttgcttct gttggagatg 360

cagtgagcca tgtcaaa 377

<210> 7542
<211> 274
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022a01b1

<400> 7542

tgttgattgg ggagcgtcta ctgggcggta tcgcgcattc ccaagatttg ctaaagggag 60

tgtgcactaa catcatacac atgcataaca agaccctcaa gttatatact ggcaattatg 120

accagtctgt ccaaactcgc tctgagctcg aagagaatca actgaagctg tacaaatggg 180

aacaggaaca tatagctaat atgaatgagc acattgcacg atttggtcat ggatctgcga 240

agcttgctcg tcaggctcag agcaaagaga agac 274

<210> 7543
<211> 271
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022a02b1

<400> 7543

ctcacgcgtc cgcccaagca agcaagctag tgggtagccc agccccagca gagcgatcgt 60

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tcgtggcggt ggctgccgtc gctgggcgct gtggcgcgca gctgccgatc ccggtgagga 180

cggacgggtt cctgtacggc gggaagtcgg ccgcgccggc gtggggcgac ccggtggtcg 240

tcgaggcctt cttcgacccc gtctgccccg a 271

<210> 7544
<211> 471

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022a03b1

<400> 7544

actccacttc ttgagaagga acatcgcgct gcatcgagga agttgcgcaa agtcacacaa 60

gaaatcagtg atttggacga agcaaaacta aaggagaaag ctcgcctgtt ccatgattca 120

tttttgacaa agttatcttt gctactgaaa ggcatggtgg tggcacctcc tgataagttt 180

ggagaaactt taattaatga gaggatcaat ggaggaacat ttactggaag cgagaatttc 240

cagctcccaa acaagatgat ggctaatgct ggaatgcgtc tttacggtgg tgcacaatac 300

catcgggcaa tggctgaatt tcgtctggtt gttggaagta ttcaagtgcc ccccgattac 360

tagggaggaa atagtcaacg cctgtggtgt tgaagatatt catgatggga cgaattactc 420

caggactgct tgtgtaattg ctgtggcaaa agcatgcgac acatttgagc c 471

<210> 7545
<211> 318
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022a04b1

<400> 7545

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gacggaggcc gtcgccgccg gggggcaggg gaggctgatg atccggcagg tgtgggcgaa 180

caacgtggag tcggagttcc aggcgatccg gcaggtggcg gagcggttcc cgtacgtgtc 240

catggacacg gagttcccgg gcgtgatcca ctgccccagc aagcaccacg cgaccctgac 300

cccgtcggtg cggtacgc 318

<210> 7546
<211> 389
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022a05b1

<400> 7546

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gtgtttttgt catagtagct tcagttttcc ttctcctcct gttctacttc atgtcgtctt 120

gggtcgcctg gctactgatt gtattgttct gcattggtgg tattgaggta tttccccgtg 180

tattctctac cttgtgctcg tttgatcaca ctgcaccgag agaagtattt gtacaaatac 240

ttctctcggt gcttggttag ttttttgtat tttggtattc ggctgtgagt ttgtttctgt 300

tttgtgtgtt gcagggaatg catgtttgct tggtgacaat tatctctagg attaataagg 360

attggggaaa taatactgta caattgccc 389

<210> 7547
<211> 346
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022a06b1

<400> 7547

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ggggcgagaa gctagttagc gggtgattaa ggtcgccatg tcggactccg aggaccacca 120

cttcgagtcc aaggcctatg cgggggcgta caagaccttc cctatgcagg ccggcgccat 180

ccggaagggc ggctacctcg tcatcaagaa ccgcccctgc aagggtggtg gaggtttcta 240

cctcgaagac tggaaagcac ggtcatgcta aatgccactt tgttgactta gatatattca 300

atggtaaaaa gcttgaggac attgttcctt catcccacaa ctgtga 346

<210> 7548
<211> 475
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022a07b1

<400> 7548

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gctttgaaac ctgctgtttt cactactgtt gatcagttga gaccaggaac caatggtcat 120

aacttgaatg taaaggtagt gagttgtacg atcgtgattg aaaagcaacg agctgatgga 180

acaaagatca gagtagctga ggctgtcatt ggagaccaaa ctggagttgt cactcttact 240

gcaagaaatg cacaaattga tgtagttgtc ccaggtagta cagttgtact tcgaaatgcc 300

aaagtagata tgtttaatgg ttttatgaga ctagcagttg ataaatgggg tttagtgaaa 360

gctgctccag aacccgctaa gtttgaagtt aacacagaaa atgatctttc aagtatagaa 420

tacgaacttg ttactgttga tgatgctcaa tgattaaaca agacaagaaa tcatg 475

<210> 7549
<211> 424
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022a08b1

<400> 7549

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ctccccggcc gccgcccggc tcgcgccctc cgccgggagc gcccgccgcg cctcgcgcgt 120

ccgcgtccgc gcctccggcg gctcctacgc cgacgagctc gtctccaccg cgaaaactgt 180

tgcttccgct ggccgtggga tccttgcgat cgacgagtcg agtgcaacat gtggaaagag 240

attggcatcc attggtttgg acaacaccga agttaaccgc caggcttaca ggcagctgtt 300

gctgaccact gctggtcttg gtgaatatat ctctggtgct attctctttg aggaaactct 360

ctaccagtcc actacagatg gcaagacctt tgttgatgtc ttgaaggacc agaatatcat 420

gcct 424

<210> 7550
<211> 404
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022a10b1

<400> 7550

cctgctgacg cgtgggattc gatctcggct tcctctccaa gccacgcgac gcgagaccag 60

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cggcaacccc accgtcgagg ttgatgtgtg ctgctcagat ggaacctttg ccagggccgc 180

cgttcccagc ggtgcatcga ctggtgtcta tgaagctttg gagctgaggg acggtggatc 240

tgactacttg ggcaagggtg tttccaaggc tgttaacaat gtgaactcca ttattgcacc 300

cgctttggtc ggcaaggacc ctaccgctca aactgagctc gacaacttta tggttcagca 360

gcttgatgga accaagaatg agtggggttt ggtgcaagca aaag 404

<210> 7551
<211> 129
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022a11b1

<400> 7551

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tttgaattgt ggccaggacg acatgtgatg gatgcttaga taaccaagct gaagaattgt 120

ccgttaaaa 129

<210> 7552
<211> 325
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022a12b1

<400> 7552

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tggtactgac gccaacaaat cttatgattg tcatggagtt cgcagcaggt ggggagctgt 120

ttgagcgaat ctgtgatcgt gggcgcttca gtgaggatga ggcaaggtat ttctttcagc 180

agttgatctg tggtgtgagc tactgccatc acatgcaaat atgccataga gatttgaagc 240

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actccaagtc atcagtactg cattc 325

<210> 7553
<211> 403
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022b01b1

<400> 7553

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aaacagtttc ttgatcaagt acaaggaaat tggagaaaaa ggttgcaaac accatggagt 120

tctcccgagt cactagaggc actgtgccag caagtgaaaa gatgcactga gattgcactg 180

acctgcatgg agatcgacag acacaaaagg cctagcatag tggatatcat acacgacctt 240

gaccagaccg aaaaaaatat tgaaaatatt aattcttatg aacaagatcc atcaccgcca 300

cttgattcct cttaaatgtt gttgaacctg tagcatcagc tccacctaca actccatctc 360

caccaccttt cctaacccaa tcttatattg gatcttcaac acc 403

<210> 7554
<211> 322
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022b03b1

<400> 7554

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cttgccagca gaagagacgt tatcaaggcg ctatggctga gccggcggcg gcggcgagca 180

caaggaagct gtacgggtac gagctgtcgt ccaattcggt gcgcatcgcg gcgctgctca 240

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tcgccatcaa ccccttgggc ca 322

<210> 7555
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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022b05b1

<400> 7555

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ggcgccccat gccgccgcag ccgacggtga agatctactg ccgcgccaac cccaactacg 180

ccatgtccgt gcgcaacggc aaggtggtgc tggcgccggc caaccccaag gacgactacc 240

agcactggat caaggacatg aggtggagca ccagcatcaa ggacgaggag gggtaccccg 300

ccttcgccat ggtgaacaag gccaccgggc aggccatcaa gcactccctc ggccagtccc 360

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<210> 7556
<211> 434
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189022b06b1

<400> 7556

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tatctaatat gtggtcgtca agaaatatgg gaggctgaat cactggtaga taacataaaa 180

tttgatcatg ggtttactgc taaaagtcct gccattataa atctactcga gatcatgtcg 240

gaatttaccc ctgatcagca gcatgcattc tgccagtttg taaccggtgc ttctcggctt 300

ccaactggtg gtttggctgc tcttagtccc aagcttacca tagttcgaaa gcacccttcg 360

gtggggtgag tactttgaat caagcggggt aacggatgcc gcggatgacg atttgcncag 420

cgtcatgaca tgtg 434

<210> 7557
<211> 476
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022b07b1

<400> 7557

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ggtctgctct ccggcgcctc gtgttctcgc cactgacccc acccagctcc aggacttctg 180

cgttgctgat ataatgaacc ctgtgattgt gaacgggttc gtgtgcaaga acatgaagat 240

ggtgacggcg aacgacttct tcttgcccgg gcttaacaag ccgggcaagt tgaacgctca 300

gggctcggcg gtgacaccgg tgacggtgcg gcagctgcca gggctgaaca cgctgggcat 360

ctcattggcg cgcatcgact tcgggcccaa cggcgggcag aacccgccgc acacacaccc 420

ccgcggttct gagatcccac cgtgatcatg gggcagctgc ttgtggggtt cgtcac 476

<210> 7558
<211> 420
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022b08b1

<400> 7558

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gattgcagtg ggaattgtca ttgagatcat cgtcatgttc ccgatccagc gccgcaagta 180

ccgtgccggt attgagaacc tgttggtcct cttgatcggt ggtattccga ttgccatgcc 240

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caccaagagg atgactgcca ttgaagagtt ggctggcatg gatgtgcttt gcagtgataa 360

gactggcaca ctcacccttа acaagctcag tgttgacaag atcctggttg aggtgtttgc 420

<210> 7559
<211> 468
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022b09b1

<400> 7559

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catgtgcagg cacgtggtca acgacgggtt cggcccgccg atcaccgacg gcggcgcgct 180

ccccgagagc ggagcctacg ccaccgacca atacatgctg gagctgatct tccacgcccg 240

gatgtggcag tacgagtgcc tcacgcccga ccccgccgcc gccgccgcgg tctacgtccc 300

gttctacgcc gagttcgacc tggcgatgcg catcgacaac agcgacatgt cggcgcggaa 360

cgcgctgccg ggtgacgttg cggctggctg gtgcggcggc ccgagtggcg cgcatggggg 420

gccgcgacca cttcatgcta gccagccggc ccacatggga cctgctct 468

<210> 7560
<211> 448
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022b10b1

<400> 7560

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agaacgctct gaagaacgag ccagaggaag aactgtatat gccggacacc gtggacgtgg 180

tgggtggcaa ccggggtcaa ggatcatcag gatgctgtta gaacctgagg ccacaactgt 240

cagctattcc tttgacatta ctgtatttcc atggtgactt gtggacccgt atttcattcg 300

tgacctttt caatcacctc gtaagtgccc aaggaatgat tgatgcgtct gttccgagct 360

gtcaatctgt ggacgtttgt gtagctttat catgattagc gtcatatctt gtgaatacag 420

taaggcgaaa tagtgaagtg taaactac 448

<210> 7561
<211> 430
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022b11b1

<400> 7561

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cggtgaaagc ggcgatacag attatgaagg gctgctcgga ggcgtgcaga agaccatcgt 180

actcaaaggc tcgtttaatt ctgcgccaaa ccagcttcat gccgccagaa gctattcgct 240

agaggatgtc gtatcgttcg acaagccagg aattgcttcc gtcgacggtt atgccccaga 300

taacctgaaa tcagctctac aacaatttgg tgccctggag ggctagaatc accaactttt 360

gtcagagtca gcagaggaat aagtaggtgt gtggaggcac accttgctat ggggtcgcac 420

acgagacacg 430

<210> 7562

<211> 409
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022b12b1

<400> 7562

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cgatgagctc ctccaacggc aacggcggga agaagccggc accgtccggc gggcgcgggg 120

gcatccgcac cctcgccgac atcaaccgcg gcccctccgg gttcccaggc gcaggcggca 180

gcggcagcga ctccgatgag ccccaggagt actacaccgg cggcgagaag agtgggatgc 240

ttgttcaaga tccaacaagg agaaataatg cggactcaat ctttgagcaa gctagagtga 300

tgggtgctca gcaagttcca ctgccttctt ttgaaggcca atcttccagc tcaaccagct 360

ttgcaggaac gtgtcgtctg ctttagggga tgcgcagaca gcaccagct 409

<210> 7563
<211> 198
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022c03b1

<400> 7563

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cccaccgact gagcgtctcg cccaccagat caggaggagc tgagggatcc caaccaagga 120

ggagcgcgcg gttgggcgcc taatttgagc tgattggccg gtctgtgctt attgttccag 180

cgcgcgtgct gatccatg 198

<210> 7564
<211> 402
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022c04b1

<400> 7564

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cccgccctcg cccccgcttg ggtaagaaac gagagggagg agggtcccga cgaaacccgc 180

ccccgccctt gcccgggttc agctcccatg gcggctcggc ccccaccgcc tactccgcct 240

ctcccgtcgc ctccacgcct ccgccggccc cggctccggc gccggcgaag gcaaattgct 300

tctacccggc gtctccagat cgatactaag catggacaag tctgcctgat cccaatcaaa 360

atagtgtgtc tgtcaccaag tggacgagaa ggagatgcat at 402

<210> 7565
<211> 350
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022c05b1

<400> 7565

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cctcggcacg acgtactcgt gcgtcggcgt gtggcagcac gacagggtcg aaatcattgc 180

caatgaccag ggcaaccgca ccacgccgtc gtacgtggcc ttcaccgact ccgagcgcct 240

catcggcgac gctgccaaga accaggtggc gatgaacccc atcaacaccg tcttcgatgc 300

caagcgtctc attggccgga gatttaccga ttcaactgtc cagagtgaca 350

<210> 7566
<211> 421
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022c06b1

<400> 7566

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cctcgctcgc ttccactcgt cggcaacctc ctctcactgg gcgcccaacc gcaccgctcc 180

ctcgcgcgcc tcgcggagag ccacggcccg atcatggcgc tccgtctagg cacggtcacc 240

accgtgctcg cctcctccgc agacgccgcc cgcgacatcc tccagcgcca tgacgccgct 300

ttttccgggc gcttcgtcct ggacggtccc acgtgtcggc gcactacacg cacccatggt 360

ctggctcccg gccagcagcc ccggtggcgc gcgctacgca aggtgtgtcg ggtgagctct 420

c 421

<210> 7567
<211> 377
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022c07b1

<400> 7567

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ttgagctttt tatccggggc agccaggcag ccaggcagcc gccgggccgg gacttccgct 120

ctgttacgcg tccagaggct agatagctcc gtccgtccgt gtccgattcc gccggggccg 180

ggcgtggata cctaggctag gcgaggcgag gcgccgccga tgtcggactg cagcaccggc 240

acggactcgc cgcgggccga ctccgtcgac gagcagccgc ccgccgacgc cgagtcgccc 300

ggcgttggcc agagcaagcg cgaccacccc tcgccgtcgt ccccgctgcc gccgcccaag 360

cgcagcggag atccgtg 377

<210> 7568
<211> 410
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022c08b1

<400> 7568

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gtcatgaagc agatggtatc tgttctatat gcagtggtga tgcaggaatg gatgaagctc 180

tactaaacag taaagttgaa gctattgttg aagagtacaa tgatctcctc acgtctcagc 240

ttgacaaaca aagaaattac tatgagtcac ttctgtcaga agtcaaagag gagaatgaga 300

aagaaatttc tgcagccact tcgaaatctg tgagcatgat gaaactccaa aagttacagg 360

caaagcttga taagtgcctt gaaagaaaag ttttcttgat gatatcaata 410

<210> 7569

<211> 450
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022c09b1

<400> 7569

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gagagcccgc ccaccgcccc acgccctgac gccgctccgg ttcgccgccg accgcagcag 180

ccgagcgagc gagcgagagg caagatgcct aagcggacga cccacacgta ctcgagcgag 240

gacgcgctgc cggagggccc cgagtccgac ctcttcgtct actactgcaa gcactgcgcc 300

tcccacgtcc tcatcactga taccctattg cagaaaatgc caaagaggaa gaccgaccga 360

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ctcttgtgaa acgtggagaa ggaaagctcg 450

<210> 7570
<211> 385
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
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<400> 7570

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gtcgcgctgg cgcttcactg cgtcggctgt ggctgctcgg cgatcaacct tgaaggctca 240

gcgctgctca agttccagtc cagggtggag gnaggatccg catggcgcca tggcaggctg 300

gagcgcgcgg gacgccgacc ttgcggttgg aacggcatcc gctgcgccga tgacagggtt 360

gtgatgctga accaaaaagat ctctc 385

<210> 7571
<211> 367
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022c11b1

<400> 7571

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cccgagagtt ggagctttcg ctctgggtag gcgatggtgg gcttggtgcg ggtggtgccc 240

acgggcgatg aggtccctct ccttgcgggt gcagtgttcg atggtggtgg ttgggactcc 300

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gcagcgg 367

<210> 7572
<211> 453
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
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<400> 7572

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tcgccatcga gtcccccttc ttcaccgccg cgagaggctt ttcttcggct gaaacacttg 300

ttccacggaa ccaagatgct gggttggctg aactcccagc cactgttgct gcactgaaga 360

accccaactc ataaatcctt tatgaccagt acaaccatga aagatatncc tctggagatc 420

ccacaagcgt gcctttgcct actttgtctg agt 453

<210> 7573
<211> 355
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022d02b1

<400> 7573

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gccgttcccg ccaaggtgac gtgtggcatc atcgtggacg acgcgatcac cagtgaagag 300

gagtcaatcg acccagagtc cggtgctctc gacattaccg tggacgtgga gtaca 355

<210> 7574
<211> 478
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022d03b1

<400> 7574

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gagcgcgcgg ttgggcgcct aatttgtgct gattggccga tctctgcttc ttgttccagc 180

gcgcgtgcgg atccatggaa tcagcatcgg agaggactgg cgctatggat tcaccggagc 240

caagaatcga ggatgagaaa actgttaaac ccaccatttc acttgattca agtgttatca 300

atctaccaag tgaaggacaa gtccaggcgg tcacatccaa cataggtggg gaacatagtg 360

ctgcatatcc acaacacatt tattcatcgc aagcagaacc attctattac caaggtacag 420

gatatgagaa ccttccaaat gaatgcgatg tatatcctcc catacgagtg ttgatgga 478

<210> 7575
<211> 317
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022d05b1

<400> 7575

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ggccgtcgtc ggccccg 317

<210> 7576
<211> 385
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022d06b1

<400> 7576

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ccccgccggt ggctcgacga cgccgtcgcc caggcctccc acttcctctt caccagctag 240

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tgaatgattt cgatgtgtgc tctcc 385

<210> 7577
<211> 410
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022d07b1

<400> 7577

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ggttgggcag ttacccaagt cgctcacatg tcaatggtga actgcatgac gtcaaaccca 180

acaagtcggg ttgcactagt gagctgccgc aatgccttca cgatggtcgc aaatcttagc 240

ttgtatggca ttgctttgtt gatatttact ctaatgcggt cagtgagtgt attagttcag 300

tatcgttgga ttgcttatac ggccatttcc atcggatgtt gttttgttgt cgcgttcttg 360

attggaacaa aagagccagg gttaaatcaa ccttctcagg ataagagcct 410

<210> 7578
<211> 449
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022d08b1

<400> 7578

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cgcttgggtg gggcagcgat ggagatggcg acgatggctc agacgagtcg atttttggga 180

ctggcgatgc aaatgacgtt aagctcaaga gcttcccggt atgcgatgat cggcattctg 240

agctgatccc ctgcttggat aggaattcga tatatcagat gaggttgaag ctggatctaa 300

acttgatgga gcattatgag cggcattgcc ctcctcctga gaggcgattt aattgcctga 360

ttccaccgcc acatggctat aaggttccca taaaatggcc aaaaagtcgc gatttagtgt 420

ggaaagcaaa tattcctcac actcacctt 449

<210> 7579
<211> 333
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022d09b1

<400> 7579

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ctcgcttggg tggggcagcg atggagatgg cgacgatggc tcagacgagt cgatttttgg 180

gactggcgat gcaaatgacg ttaagctcaa gagcttcccg gtatgcgatg atcggcattc 240

tgagctgatc ccctgcttgg ataggaattt gatatatcag atgaggttga agctggatct 300

aaacttgatg gagcattatg agcggcattg ccc 333

<210> 7580
<211> 369
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022d10b1

<400> 7580

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aatagccgct gctaccaggc gggcggggcg gacaccctct gccgccgcca tgggagcgct 180

cgaggaggcg cacctcgccg ccgtcgccgc ctgcgggtgc gacgaggagg aggatggaag 240

atctcctggt ggaggtcggc ggcggggagg cgccgggggа cgccatggag ccggcggtgc 300

gcgcgctgct ggcggggctc ggcgaggacg accgccggga ggggctgcgc cggacgccca 360

tgcgcgtcg 369

<210> 7581
<211> 350
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022e01b1

<400> 7581

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ataaggatgt cagggacttg ggagaggcta aatctctggt ggctcagccc atgctgtctg 180

tgtccccgag gaggctttct tttacaagga atggatggga caaaggaaag gagaaaaaag 240

aactagtaga tgctgggaag ccctggtgtg ggatatgcct ctctgaggat cagaggacga 300

ctctacaggg agtgctgaat tgttgctcac actacttttg cttcgcgtgc 350

<210> 7582
<211> 373
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022e02b1

<400> 7582

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ttggttatat catgcagaac taccactgtc actgggctat gtcccattgc tcagggttct 120

gagactttca aatgctgctc atagtttcca caaaaacgtc aagttgagta cgtttctcca 180

tgagacctct gttcgagacc tgacgttggg gtttaaatgc gaaaaggttt gggttcaacc 240

agagtgtttg accagaaggc aggcatatgc gttccagcaa ctaaggattc tcaatctagt 300

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cctggaggag ctc 373

<210> 7583
<211> 400
<212> DNA
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<223> Clone ID: uC-tsrow189022e03b1

<400> 7583

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aactgccgtc ttctccgcgc ccacggcagg ccgcagaggc accgccgccg accccgctcc 120

tcctccggcg ccagcgccag cctctccgtc tccggcccgg agatggatcc cgccgcgcgg 180

aaggatctgt acccgcacgt cgagcccttc gacaccggcc gcctcagggt ctccgacgtc 240

cacaccatct actacgagca gtccgggaac cccgggggcc accccgtcgt cttcctccac 300

gggggtcctg gggccggcac gtcgccgggc aaccgcaggt tcttcgaccg gagttcacag 360

gatcgtgctg ttcgaccaga gaggcgcctg caagagcact 400

<210> 7584
<211> 476
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022e04b1

<400> 7584

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aagtttaaag agagatcatt gagagcatag agctttattt aataaatttg cagatcgaat 120

aagtaaagag aaaaaaagaa atccaaaaaa tgtaaattta ttttttaaac gtatttgaaa 180

atttgaaaaa atatacctaa aacaaagaaa aaatcctaat atattaaata aattacaaaa 240

atataatcga catttaaaaa aatttcaaaa attctcaaaa aaaaaaccat atattttatt 300

ggtaaattgc gctaaatcat atacagataa agaaagttta atggaacttt taaaagcttc 360

agcaggacta aatccaaaag caatagcagc atcataaaaa atatggatta aattgccggt 420

tcaatatatt gaatttttt agtcaaaagg aatgaaaaat agaaatttta gaacaa 476

<210> 7585
<211> 372
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022e05b1

<400> 7585

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cagggtatgg aggtctcggc gcagggcctc ggctgcatgg gcatgtccgc cttctacggc 180

ccgcccaagc ccgagcacga catggtcgcg ctcatccacc acgccgtcgc cgccggcgtc 240

accctgctcg actcctccga catctacggg ccgcacacca acgagatcct cctcggcaag 300

gcgctgctgg ggggcgtgag ggagagggta gagctggcca ccaagttcgg catctcgttc 360

gccgacggca ag 372

<210> 7586
<211> 330
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022e06b1

<400> 7586

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tttacccagg gaagggtatc aggttcattc gttcggattc gcaggttttc ctctttgcca 180

actcaaaatg caagcgctac ttccacaacc gcctcaagcc tgcaaagctt tgctggacag 240

caatgtacag gaagcagcac aagaaggaca tccatgctga ggctgccaag aagaggcgcc 300

gcaccaccaa gaagccgtac tcacggtcga 330

<210> 7587
<211> 408
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022e07b1

<400> 7587

tctttttgtg actgccatgt cgtcgtcggc catggaagcg ctccacgccc tgatgccgga 60

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gagcggccac gtgctgcagg ggtgggccaa gaggaagcga tcgcgccgcc agcgctccga 180

ggaggagaac ctcgcgctct gcctcctcat gctctcgcgc ggcggcaagc agcgtgttca 240

ggcgccgcag ccggagtcgt tcgctgcgcc ggtgcctgcc gagttcaagt gctccgtctg 300

cggcaagtcc ttcagctcct accaggcgct cggaggccac aagacgagcc accgggtgaa 360

gcagccgtct cctccctctg atgccgctgc tgccccactc gtggccct 408

<210> 7588
<211> 363
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022e08b1

<400> 7588

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tgagtgacaa gttactgtcc gaggtgcttg aggccttctt ggttattcgt gggctagttg 120

tgcagaagac gaagttaatc aatgactgca atcggctttt gaaagacctt cttgatagtt 180

tacttataga gagtactgca aacaaacgcc aatttattcg tgcttgcatc tctggattgc 240

agaagcatgt gaaggagaaa aagagacgga catctctgtt tattttggag caactctgtg 300

atttgatttg cccagtgaaa ccagagcctg tttacctttt gattttaaac aagtcacata 360

ctc 363

<210> 7589
<211> 309
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022e09b1

<400> 7589

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gagaagccgg cgagccaggc cgacgtgggc ggcgaagtgg aggcgcataa ggagaggaag 120

gggctgtggt cgccggagga ggacgagcgg ctgtacaccc ggatcaccag gcacggcgtg 180

tccacctgga gctccgtggc gcagctcgcc gggctgcggc ggagcggcaa gagttgccgg 240

ttacggtgga tgaactacct ccgggcggac cttaagaagg agcccatctc caagcgcgag 300

gaggagacc 309

<210> 7590
<211> 447
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022e10b1

<400> 7590

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tcctggacga cgagatcaac caggccatcg tccgcccgct agtgcacggt gtcaagctcc 180

atgccatcgt cgacgcttgc cacagtgcca ccgtcctcga tcttccctac cagtgcacct 240

tctccaagca gtacgggtgc ttgaggtgga tggatgagcg ccctctgaat ggcgcctgca 300

aaggcacgag cggaggccag gccgtgctca tcagtggcag cagcaatgga aagacccaga 360

tgagcgtgct gcctgagccg aatgcaacga ttggcgccct gacgcacagc ttcctcaagc 420

agtggagtgc gagccccgca ccaccta 447

<210> 7591
<211> 373
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022e11b1

<400> 7591

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tctcagccgc ggcagccatg gcgaagacct accccgttgt cagcgccgag taccaggagg 120

ccgtcgagaa ggccaggcaa aagctccgcg ccctcatcgc cgagaagaac tgctccccgc 180

tcatgctccg cctcgcgtgg cactccgctg ggaccttcga cgtgtcgtcc aagacaggcg 240

gcccgttcgg gacgatgaag aagccggcgt agcaggcgca cgccgccaac gcgggcctgg 300

acatcgccgt gcggatgctc gagcccatca aggaggagat ccccaccatc tcctacgctg 360

atctctacca gct 373

<210> 7592
<211> 369
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022e12b1

<400> 7592

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gtaggataga aacatatgta aggtcttcac tccgtacagc ttttgctcaa agaatggaag 120

aagcagattc aaagcgatca tcaaggaacc ctaccccagt tatgtctatc cttgcaaagg 180

acattggtga cctagcaatt aaggagaaaa atctgtacag tccaatattg aagacatggc 240

atcccctcgc ttcaggtgtt gctgttgcaa cgcttcattc atgttatgga agtgagctga 300

agcagttcat agctgggctt tcagagttaa ccccgggaca gttcaagtgc tcaagtctgc 360

agacaaatt 369

<210> 7593
<211> 404
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022f01b1

<400> 7593

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caactctgtt aatagagtcg agctactggc aaagaaaatc actgagcttg gctattcgtg 120

cttctacatt catgctaaaa tgttgcaaga ccaccgaaac cgggtgtttc atgattttcg 180

gaatggtgct tgcagaaacc ttgtttgcac agatcttttt actagaggaa ttgacattca 240

agctgttaat gttgtcatca attttgactt ccccaagact gctgaaacat atttgcatag 300

ggttgggtcg ttctggaaga tttggacacc ttggtttggc ggtgaactta atcacttatg 360

aggaccgttt caacatgtat aggattgagc aagaacttgg gaca 404

<210> 7594
<211> 389
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022f02b1

<400> 7594

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acaccgtctt cgatgcgaag cgtcttattg gcagaaggtt tgctgatgcc cctgtccaga 120

gtgatattaa gatgtggccg tacaaggtta ttcctggccc cgcagacaag cctatgattg 180

tagtgcagta caagggtgag gacaagcagt tctcagctga agaaatttct tccatggtcc 240

tcatcaagat gcgtgagatc gctgaggctt acctaggagt aactattaag aatgctgttg 300

tcaccgtgcc tgcttacttc aatgattccc agaggcatgc aaccaaggat gccggtgtta 360

ttgctggtct taatgtgatg cgtatcatc 389

<210> 7595
<211> 292
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022f03b1

<400> 7595

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tatcgccgtc ggggctcccc gtccgggagg tcccgggcgg ctacggcgtt cccttcttgt 180

cgccgctgcg cgaccgcctt gactactact acttccaggg cgcggaggag tacttccgct 240

cccgcatcgc ccggaacggc ggcgccaccg tgctgcgcgt caacatgccc cc 292

<210> 7596
<211> 334
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022f04b1

<400> 7596

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gccctggtga actacggcaa ggactacggc cgcctcgtcg tcatcgtcga cgtcgtcgac 180

cagaaccggg cacttgtgga tgctcctgat atggtcaggt gccagatgaa cttcaagcgt 240

ctttcgctga ccgacatcaa gattgacatc aagcgtatcc ctaagaaggc aactttgatc 300

aaggccatgg aggaagcaga tgtgaaaacc aaat 334

<210> 7597
<211> 447
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022f05b1

<400> 7597

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aatggaagga catccagtac ctaaagaaga ttgctgggga tcggactgtt cctgttgagg 180

ttgggaagag ctatgtttgc agtgagtgga agcaggagct tatcacgttc tcccagttcc 240

ttgagaggat gtggtcaacc gcctgtcctt caaatttgac atatctagct cagcatccat 300

tatttgagca gataaaagag cttcatgaag acataatggt tcctgactac tgttatgctg 360

gtggagggga actccaatca cttaatgctt ggtttggtcc acacggacag tgacaccatt 420

gcaccacgac ccgcatcaca acatttt 447

<210> 7598
<211> 371
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022f06b1

<400> 7598

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gacgagctgc tccaggcgca gtcggacctg tggcgccaca gcctctgcta cctcacgccc 120

atgtcgctcc gctgcgccgt cgacctcggc gtccccaccg ccatccaccg cctcggcggc 180

gccgcgtccc cgtccgaact ggtcgccgcc ctgtccctcc ccgcgtccaa gctgccgttc 240

cttgcccgcc ttctgcgcca gctcgccacg gccggcgtct tcagcgccac cgacgccgga 300

acgtaccgcc tcaacccgct ctcctacctc ctcgtggacg gcgtccgcat cgacggcgac 360

gccagccaga c 371

<210> 7599
<211> 354
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022f07b1

<400> 7599

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ccaaaggggt gggaagattg gtctcttcgg tggtgcagga gtgggtaaaa ctgttcttat 120

catggagttg atcaacaatg ttgccaaggc ccacggtggt ttctctgttt ttgctggtgt 180

cggagaacgt acccgtgaag gtaatgactt gtatagggaa atgattgaaa gtggtgtcat 240

taagctcgat gagaagcagg ctgaaagcaa gtgtgctctt gtctacgggc aaatgaacga 300

tgccccgggt gcccgtgctc gtgttggtct tactggtttg actgttgctg aaca 354

<210> 7600
<211> 373
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022f10b1

<400> 7600

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agaaggtgga ggtggaggcg gcgccggagc cggaggccgc accgccagcc gtccctgccg 180

cggagcccga ggcccccgcc aaggacgtca ccgaggagaa ggccgtcatc cccgcgcccg 240

cgccggccgc cgaggaggag aagccgcccg ccgatgactc caaggccctc gtcgtcgtcg 300

agaaggttgc agatgaacct gttgctgaga aacccacaga tgagaaggct gcacacggcg 360

gctcaaatga cag 373

<210> 7601
<211> 351
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022f11b1

<400> 7601

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cgacgacttc ttcttcgcgg ggctggcgcg ctcgggcgcc gccgactcgg ccgagagccc 180

gttcgggtcc agcgtgacgt cgggcaacgt ggcggccttc ccggggctca acacgctcgg 240

cgtctccatc aaccgcgtcg acctcgcccc cggcggcgtc aacccgctgc acagccaccc 300

gcgcgccgcc gagctgtgca cgtcgtcgcc ggccaatgct cgtgggcttt g 351

<210> 7602
<211> 394
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022f12b1

<400> 7602

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acgctgctca agagcgacgc cctctacacc tacatcctcg acaccaccgt cttcccccgt 180

gagcacgagt gcatgcgcga cctgcgcctc atcaccgaca agcacccatg gggctacatg 240

cagtcgtcgt cggacgaggc acagctgctg gggatgctga tcaagatggc gggcgccaag 300

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ccggaggacg gcaagggtgg tggccatcga cacc 394

<210> 7603

<211> 320
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022g01b1

<400> 7603

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tggaggtcac cggccagctg gacgcggcca ctgtcaccaa gatgatgtcc ccgcggtgcg 120

gcgtcgccga catcatcaac ggcacctccg ccatgggcaa gacggtccac ggccggaacc 180

tctactccta cttcccgggg tccccctcgt ggccgcgctc caagaagagc ctcaggtacg 240

ccatcacggc ggccaccgag acgaccatcg accgggccac gctgagcaag gtcttcgcga 300

gcgccttcgc gcgctggtcg 320

<210> 7604
<211> 237
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022g02b1

<400> 7604

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gcggcctgga cgccgcgtcc gtgcacccgt ccccgccggt gcacgaccgc acggtgctgc 180

gcgcgcgctc tcccccgcat gccaccttcg agcacccggt ctactccccg agcaacc 237

<210> 7605
<211> 399
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022g03b1

<400> 7605

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acacgtgaac gccgactatt tccccaagtg ctgcaacaac tgcaggtcct tctcgggggt 180

cgacgtctgc gacgacgccc acccccagtg ccccaagggc tgctcggcct gccgcgtggt 240

gacgccgagc cctcacaaga cgttccggtg cgccgacatg aagagcaccg tcgatggcac 300

ctgcggcggg ccatgcaaga agcactgatc cgttcaaggc ttcaggctca gacgaggtgt 360

gccgcctaaa ataaagctca gatgagatga gcagtcatg 399

<210> 7606
<211> 462
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189022g04b1

<400> 7606

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aacttcaagg gcgccaggat gccgagcgcg ccggcgggcg cgggcgcgct ggtcaagctc 120

gggctgctcg gcggcgccgc gctctacctc ggcaacaaga ccctctacaa cgtcgaggga 180

ggccaccggg ccatcgtctt caaccgcctc gaggggatca aggacaaggt ctaccccgag 240

gggactcaca tcgtcatccc gtggttcgag aggcccatca tctacgacgt ccgcgcgcga 300

cccaacctcg tcgagagcac ctccgggagc cgggatctcc agaggtgaga attggtcttc 360

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actacaatga gagagtgttg ccttcaatca ttcatgaaac ac 462

<210> 7607
<211> 344
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022g05b1

<400> 7607

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ctctgcgtcc acaagaagct ccgatccaag cgcctcgcgc cagtgctcat ccgggaggtc 180

acccgtcgcg tccacctgga gaacatctgg caggctgcct acactgcggg cgtcgtcctc 240

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gacgttggct tctcccgtct tggtccccgc atgaccatga gccg 344

<210> 7608
<211> 309
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022g06b1

<400> 7608

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cccaatcgcc aaaaacccta gcgccgatcc gatccgatcg agctctgctt cccctcccat 120

ggcggccccc tcgagccagg cgagcctcct gctccagaag cagctccgag atctagcgaa 180

gaaccccgtg gacgggttct cggcggggct ggtggacgac ggcaacgtgt ttgagtggca 240

ggtcaccatc atcggcccgc ccgagacatt atatgatgga gggctacttc aatgcagtaa 300

tgacctttc 309

<210> 7609
<211> 350
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022g07b1

<400> 7609

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gccccaactc cccgctaggc gtttttacgt cggtgcacga cgcgttcgcc gcgcaacgct 120

cgccccgcc ggcgccgcac gtcccgttga gccaccagcc gagctcggcc acgccgaact 180

ccagcgtagc cgtcccctcc gccgtgagca cgaacaccgt ggaggtcagc acgtcgtcgc 240

acttttgctt ctcgaccttc tcccaccgca gaaactggcc atgcaccgcc gcggtggagt 300

ttggcggagc ggaagcgacg cacgccacag cggcgggcga ggtgtcgctg 350

<210> 7610
<211> 350
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022g08b1

<400> 7610

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cgcatggacc ctaaggcaac tttaacagca gaagatatct tgaactcttg gcctgagctt 180

gaagttgggc gtatcctccg tgattatggg gaggaaaaca attggcaatc ccttcagagg 240

cgaattgtta aagaacggaa aaaggggttt tacactctac tagcgagctt gtcaaactta 300

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<210> 7611
<211> 329
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022g10b1

<400> 7611

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agtacattga acagcaaaac ctgtattgct ttcttcttcc gagctgattg tagccgtgat 180

accgatcccc caactgtctt ctttattcag ttcatgacaa gataccgaca tggtgatggt 240

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attgctgcag ggtttgatca ggaagctgc 329

<210> 7612
<211> 465
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022g11b1

<400> 7612

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gcctgcagcg acccggcctt tgtcctgggc ctccctcgcc gacgaggaca acgaggatga 180

cgaagaagag ttggctccgc tgacgccgcc ggcttccaaa agcccggtct ctgctgctga 240

cccgactatt ccatgcgttg ggcacgagga ggagacgagt ggtggatggc atgaggtact 300

gcctcggcgc ggtcggcgct gctaggcgtc accaacaccg gcatttgctc ctcgtcccat 360

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ttgcggagat cccttatgat gctcccgttg cttggagaac ggaca 465

<210> 7613
<211> 361
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022g12b1

<400> 7613

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aagatcggaa tcaacggttt cggaaggatc gggaggctcg tcgccagggt agccctccag 180

agcgacgatg tcgagctcgt cgccgtcaac gacccttca tcaccaccga gtacatgacc 240

tacatgttca agtacgacac cgttcacggc cactggaagc acagtgacat caagctcaag 300

gacgacaaga ctctgctctt tggcgagaag ccagttaccg tcttcggcgt caggaaccct 360

g 361

<210> 7614
<211> 250
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022h01b1

<400> 7614

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agtcgtattg tcaggatcat gcgcaagaga cttgttagga agacttttga tatgattcag 180

gatattgctg acaaggataa caaggaggac tacaagaaat tttgggagag ctttggcaaa 240

tttatgaaac 250

<210> 7615
<211> 324
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022h02b1

<400> 7615

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tcgatccaca tcggccaggc cggcatccag gtcgggaacg cgtgctggga gctgtactgc 180

ctcgagcatg gcattcagcc tgatggccag acgcccggtg acaagaccgt tgggggaggt 240

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gtcttcgtag atctcgagcc cact 324

<210> 7616
<211> 319
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022h03b1

<400> 7616

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gcctgctcgt ggtcctgctc ctgctggccc tgatggtctg ggcgcactgc ctggacggcg 180

gcgcgggcca ccacggcccg cgcgtgaagc ggcgccgcat gaagcgcgag atccactccc 240

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ggctccgcgc cggccgccc 319

<210> 7617
<211> 385
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022h04b1

<400> 7617

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tcactccagc ccccctacca ccgcactcga aaacctctct ctctctctct cactccaaca 120

gtttgcagga aagagaggga gagatcgatc ttgcgttgcc aagatgttca tcgagagctt 180

ccgcgtggag agcccgaacg tgcggtacgg cgcgggggag atcgagtcgg agtaccgcta 240

cgacaccacg gatctggtgc acgagagcca cgacggcgcc tccaagtggg gtcgtccgcc 300

ccaagtccgt caactaccac ttcaagacca acaccaccgt ccccaactcg gggtgatgcc 360

gtggggtggg gcggcaacaa tggct 385

<210> 7618
<211> 296
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022h05b1

<400> 7618

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tctccccccg cccatctacg ggaacgactt tcgggccccg cgccgcttcc gcctctagct 180

ccgtgggcgc cgggcgggtc cgcgcggcgg gagcccccga gggaggcaag tggttgggcg 240

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<210> 7619
<211> 411
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189022h06b1

<400> 7619

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atgtggtttc cctacaaatg gtactacact ttgtaatttc cagtgggttc gctgtcatga 180

agatggcacc aggtattcta ttgaaggtgc tacgatgtat gactatgtgg ttactgcaga 240

tgatgttggc actcttcttg ctgtagactg cactcctatg gatgatagtg gccgccaggg 300

tgatttgtga gnggagtttg ctaacaatga gaacaagata acttgtgatc aagaaatgca 360

gaatgacatc aatatatgca tttaaggggg agagccgctt tgatgtttat g 411

<210> 7620
<211> 368
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
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<400> 7620

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gaggcgccgc tgctgctcag gatcaacacc gccagaggcg gccacatggg cggaggcgag 180

tgcgacgagg ccgagaacca gcggtggccg ccgtggctca agccgctgct ggcgaccagc 240

ttcttcgggc aatgcaagat gcacgcggac gcccacaagt tcgagtgcaa catgtactgc 300

ctcgactgcg tcaacggcgc gctctgtncc cagtgcctcg cctaccacca tggccaccac 360

gccatcca 368

<210> 7621
<211> 421
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022h10b1

<400> 7621

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attgcgcgca tcgactatgc tcccttgggt cagaacccac cacatacgca ccctcgcgcc 180

actgagatcc tcacggtact cgaggggaca ctgtacgttg gctttgtcac atccaaccag 240

cccgccccaa acagaaacaa gttcctctcc aaggtgctca acaaaggtga tgtgtttgtc 300

ttccccgtgg ggctcatcca cttccaattc aaccccaacc cacacaagcc cgccgttgca 360

attgccgcac ttagcagcca gaaccctggg gctatcacaa ttgccacgcg gtgtttgggt 420

c 421

<210> 7622
<211> 363
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189022h11b1

<400> 7622

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aacatcttct gggggtccgg gcagtcgtgg acggccgcga acgccgtgaa gtcgtgggtg 120

gacgagaagc ggaactacca cctcaacagc aacacctgcg atgccggcaa ggtgtgcggg 180

cactacacgc aggtggtgtg gcgcaagtcg acccgcatcg gctgcgcgcg cgtggtctgc 240

gccgggaacc ggggcgtctt catcacctgc aactacaacc ctccgggcaa cttcaacggc 300

gagcgcccgt tcctcaccct tgacgccgag tcctagtagt acatcgtgcg tgtgtgtttt 360

ttt 363

<210> 7623
<211> 426
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
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<400> 7623

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aaacctcaga tcccacccat cccacgccat ggacgacgac ttcgacatcc ccgcgggcga 120

cgacctgatg atgggggacg ggatgggtga cttcggcggc gccgaagggc cggggatgaa 180

ggtgggcgag gagaaggaga tcgggaagca ggggcttaag aagaagctgc tcaaggaggg 240

cgaagggtgg gacacccccg aggtcggcga cgagggtcga agtccattac actggcaccc 300

tccttgatgg taaaaaattt gactccagcc gtgaccgtga tgacactntc aagttcaagc 360

tgggacaagg tcaagtaata agggatggga tcaaggcatc agaccatgaa gaaggggaaa 420

atgctc 426

<210> 7624

<211> 368
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024a01b1

<400> 7624

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aattggcgtc ggcgacgcta accagtactg ccggtgatgt cgttgacgcc cattgataca 180

gcccatgtcg atgccgatca cgagggtggg cgagtatgac gatgaagaca ggaagcttaa 240

gcgcggtgct cggcccccag gatgccgatg tcatcctagt ggccagggtg ggcaactgcc 300

cgctccggcc ctcctcgtcc tggtgccatg gcaacgacgg gagaggaggc ctgctctgct 360

ccgtgtgc 368

<210> 7625
<211> 439
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024a02b1

<400> 7625

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accagcaaag accgatggga ttcttggtct tagcagtgca gcaataagcc ttcctagtca 180

gctggccagc aaaggaatta tttccaacat tttcggtcat tgtatcacta gagaaacaaa 240

tggtgggggg tacatgtttc tgggtgatga ttatgtacca agatggggaa tgacatgggc 300

tcctattcga ggtggtccag ataacttata ccacacagag gcccagaaag taaattatgg 360

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tgggagctcg tatacatac 439

<210> 7626
<211> 427
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024a03b1

<400> 7626

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aaacccgatg gacaagggtc tacgcctctc catttggctg ctgcaggagg aaattgtgaa 360

atagtaaaag ccttgctttc caaaggggtc aatgttgatt cattgtgtca tactggaaca 420

ccactgc 427

<210> 7627
<211> 455
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024a04b1

<400> 7627

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gagaagaaag gtgtcaagaa ctttgcaatt gacttcctca tgggaggagt gtccgctgca 360

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gagatgatca aggctggcag gctctctgag ccata 455

<210> 7628
<211> 345
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024a06b1

<400> 7628

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gctctgcctc catggtggag gcctaaggaa ggagccggat ctggcgaatc cccccataat 300

aagcttgttg ggccactgga tcaaacctgt gtggttattc tctcg 345

<210> 7629
<211> 371
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024a07b1

<400> 7629

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caagggcgac gacgactcgc ggctgatgcg cgacctctgc acgctgctcg tcaccatcat 180

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gatgctgtgc gggtccgtga cgttcgccat cggcttcctc ctcatgccgt gggtcgccgg 360

cgtcgcgctg c 371

<210> 7630
<211> 431
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024a08b1

<400> 7630

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agaacctctc tgccaagctt gaaggggatg acctagatgc tttcaagaag aatgttgagt 420

ccgccacaaa g 431

<210> 7631
<211> 484
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024a09b1

<400> 7631

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gcagctggta atggggagga caggctaagc gagttgccca atgacgtgct gctcaacatc 180

ctcgagaggg tgggtacgct tgatgccgta aaaacctgca tcctgtcaaa gcaaatgcag 240

aagctgcccg ctatgctctc acagatcgta attgatctca gctctcaaga tttgattcaa 300

atggatggtg ttgtggctga tgtgacgaac aagatcctta gtatgaggtc tccagagatc 360

accattcgca agctgaagct caaatttttc ttggttccct ctcgctgtct ttccatcggc 420

aaatctgttg gcctcgccat ggtgacccag aaattggatg cagctgagtt tgagatcatg 480

acac 484

<210> 7632
<211> 475
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024a10b1

<400> 7632

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tatcagacaa tctccccaaa gagtttagct gattctgttc tcgaggaagg tggctggtcg 180

aacttggtgt gttcaaagga tggtcctcaa aagaatgttg atgttgcagt tctttttctt 240

ggatcaaagc tacaatcatc agacatctct aaagataaac aagtcgatcc tgctttagcg 300

gacatactaa agctgtcctt ctcaagctct gagttttcca tggcattccc ttatgttgcc 360

atgtcagacg acgaagcact agagaactca ttgctatctg gatttactga gaattgtgag 420

gatggttctg gaggaaatca tatcacttac acagacacgt gtactgcaag cagtg 475

<210> 7633
<211> 422
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024a11b1

<400> 7633

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cattccatag catcctcata gccgcctgca agcagatctg agcagctata ataactcccc 180

gatcggatcc gctctcgttc cttgcgctga tttgcgatga ccggagggga ttccatggat 240

gcaatcagcc tgtatgactg ggagctcctg cctgacctcg ggagctcctt cttcctggag 300

gagtgctctg ctggtggtgg tggtaaggat caggatcagc tcttgtttgg gtccggtttg 360

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tg 422

<210> 7634
<211> 407
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024a12b1

<400> 7634

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ggcggtcgag ggcgtccacg gcgtcttcca cctggcctcc cccgtgatac tgcagcccgc 360

acaagaccct gagaacgagc tgctgctgcc ggcggtcaat ggcgcgc 407

<210> 7635
<211> 377
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024b01b1

<400> 7635

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cggagagccc gtaccggtac ccggtgttcc agggcggcgt gcgcgtctgc attggcaagg 300

agctggccat catggagatg aaggcggcca ttcgggccgt ggtccagggc ttcgacatcg 360

agacggtcgg gcggagc 377

<210> 7636
<211> 351
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024b02b1

<400> 7636

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agcagctagt ggggctgaac acactgggca tctcaatggc gcgcatcgac ttcggtccca 180

acggcgggca gaacccgccg cacacacacc cccgcggcac cgagatcctc accgtgatca 240

tggggcagct gctggtgggg ttcgtcacct ccaaccagca ggacgggaag aacctgctct 300

tcacgaagca gctagtggag ggcgacgtgt tcgtgttccc acaggggctc a 351

<210> 7637

<211> 452
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024b03b1

<400> 7637

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ggtggtctcc gttctcgagc tccaggccgg cgttgtggaa gaccagctgc agcctctcgg 180

cggatggcat gccgtcgagg caacctccat gttggaaaat tgcaagacaa acagtactgc 240

tacagatgga ggcaccagca gcaggataga tatccccggt cctgcaaccg aacagaacat 300

ccctaaaccc agtaatcctc ttcatccatg cccgccgcca cagtcgctgc cggagggtgt 360

gcagtccgtg ctcaacacgt cacgggttaa ccgaaagtgc attggagatg gtgatggctt 420

cactgcttat gaggagagga ttggaggtga ta 452

<210> 7638
<211> 403
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024b04b1

<400> 7638

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tcgtgccttt agctgtacgc gtatgttgcc cgagtagatg cgaacccgct tgctgttgcc 300

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ttaggagcat ggcccggtgg aactgttgag gcgctcatat gtt 403

<210> 7639
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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024b05b1

<400> 7639

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ttctggtcac tcgtctcctc gatgcgttcc aagggctacg gcatctcgaa gaccaccctc 180

caggccgcca cggagagctt ccggtccaat ggcatgtcca aggacgccga catgatccag 240

aaagccttct ccgcgcacgc caggaacgca gcggtggcgg aggcgtgcaa gattctccgc 300

tcagatgcgg atgagatatc taagctggac aagttgaatg agttgggcgt tgaggtgacc 360

gatgagatgg tggcactggt tgtggagaag gtcggacagt ttccgcgaca ggcaatggtg 420

ttcttttatt gggtggagca gtcagctggg gca 453

<210> 7640
<211> 418
<212> DNA
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<223> Clone ID: uC-tsrow189024b06b1

<400> 7640

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caaaagccac gggtacggcg gccaggggca cggttgcgac cagggctacg gcggccacgg 180

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gcagcagggg tacggcggcc acggccagca cgggtaccct ccgcccgccg ccggtgcttg 300

ccccccgtac ggcggctacc cggcgcaagg ctacgcgccg gcggcgtacc ccgcgcagcc 360

cgcgccacac cacggtgggc acatgggatc gtaccacacc gggcacggcg gcgggcac 418

<210> 7641
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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024b07b1

<400> 7641

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gaggccgccg ccgccgccgg gggggagggg aggctgatga tccggcaggt gtgggcgaac 180

aacgtggagt cggagttcca ggcgatccgg caggtggcgg agcggttccc gtacgtgtcc 240

atggacacgg agttcccggg cgtgatccac tgcccaagca agcaccacgc gacgctgacc 300

ccgtcggagc ggtacgcggc gctcatggcg aacgtggacg cgctccacct gatccaggtg 360

ggcctggcgt tcgcggcgtc gcccgacgcg gcaccggcgg tggcgttcga gatcaacctg 420

cgggagttcg acccgcgcgt gcacc 445

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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024b08b1

<400> 7642

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tcctcgtcat gggcggcgcc gtcgtcggca gggccgtggt ccaggcctac cgtcaggcca 180

tcgtcaatgc acaaagaacc ggagctgctc aggaagctgt gaatggtatt cgaagggcta 240

gcaaggtcat gacggagcaa gaagcccggc aaatattagg aatcggtgaa aagacgagct 300

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<210> 7643
<211> 102
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024b09b1

<400> 7643

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acctatgaac catgtggaac tgcgaaaggg tgaatggctc at 102

<210> 7644

<211> 432
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024b10b1

<400> 7644

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gctgcacccg gacgaccaga aggtggtgta caaggacagg gagcgggact ccaaggcctt 180

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ccaggccaag cgcctcatcg aggagcgccg gaataccaag gcccagcgcg ccgccaaggc 300

cgtctcgcgc gtcagcctcg acctcgacaa gctcgcgtcc aaggtgtcgg cgctggagac 360

gatcgttagc aagggcggca aggtggtgga ggccgacctg gtcacgctca ccgaggcgct 420

gatgagcgag ct 432

<210> 7645
<211> 395
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024b11b1

<400> 7645

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taagcatatg tctgcactca gcatgtatga gaggagaaca actgggcggc caggtccata 180

catgctacca aagtaccaaa cacacccaaa atatctgctg tgcctacacc cttatttttat 240

gatttatttt ctaaaagttc taatcgataa ttgagatgca tatgtcccga tgcatgagat 300

attttgtgat cacttctaag ttctaacgtt gtcatgcctc taggatgggc gggtcggcga 360

agggcccgta gagccatccc ttggcgatgt ggccg 395

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<211> 418
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024b12b1

<400> 7646

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ccagaaatat tggatagatc ccagatagat gaaattgtaa cagtaactac tcaagaagct 180

atggacatgg ctagaagatt ggcaagggaa gaaggattgc ttgttggcat atcttcaggg 240

gcaaatgcag ctgcctgctt aaaggttgca tcaagagagg agaacagggg aaagatgatt 300

gtgacaatgt tttccagtgg tgcagagagg tatctgaact cggagctctt tgcgcaggtt 360

aaggaagagt gcgttaacgt caacatgacc ttctgatgtc catatcaagg caatgaca 418

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<211> 348
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024c03b1

<400> 7647

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ctggatctgc catcatgaag aacaggtatg tccttactgg agcagcatgg gtaactggtg 180

ccttcagtaa ggttgcaaat accgcgaacg atgtcggggc aaaggcgaag gagaaaatag 240

cggctgagca ggagggcaag accgtagcgg ccgggtatgc acaagctgac atgtcggacg 300

ctcgtgaaaa gcccagggat ttggatggtg aagtcacaaa gatacatg 348

<210> 7648
<211> 398
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024c04b1

<400> 7648

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aaggatgcac tgttgaggat gaagcttttg ttggtatggg agcaaccctg ttagatggtg 120

ttgttgtgga aaagcatggg atggttgctg ctggagccct tgtaagacag aacacaagga 180

tcccttgtgg agaggtatgg ggcggaaacc ctgcgaaatt tctgaggaag ctcacagatg 240

aggagattgc ttttattgcg gaatcggctg ccaactactc caacttagcc aaggcacatg 300

ctgttgagaa tgccaaaccc ttggagaaga ttgattttga gaaagtgttg cgcaagaaag 360

ttgcttacca ggacgaggaa cacgattcca tgcttagt 398

<210> 7649
<211> 468
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024c05b1

<400> 7649

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cgtcgtcctc gggggatgcc gccgagcgcg cggccatcgc cgacaagggc ttcttcttcc 180

acccttcgcc gcggggcgcc gagccgccgc ggctcctccc gctcttcccc gtgagctcgc 240

ccaggatggc cgccgcgtcc gcgacggcgg cgccggccga gtgagtgacc caaagcctcc 300

gcctttgcgc gcgcatcctg ctcagccagc catgaagtaa tctacgactt ctaccatcgc 360

caccgccctc gctgtatcat cgccgtcctt tggtcgcagt tctagtttca tactgtagta 420

gtagcaaggt gtttgctgtg tcgttcttcg ccggcgccgg cgctgctg 468

<210> 7650
<211> 490
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024c07b1

<400> 7650

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gcccaaatca cctgaagaaa tgataacaat tcttcagaga gttgttgaag aatgcactac 180

gtcccttgtt gctgccagga ttgaagctga agaaagacta aacaatcaac gtttgcgtga 240

ggaacaagat gctgcttaca gagctgcact tgaagctgat caggccaggg aacgccagat 300

gagagaggaa caagaaagac ttgaaagaga ggccgcggag gctgagagga agcgtataga 360

agacgaggaa gcacaagcca gggcagtcca agaagcagct gaaaaggaag ccgctcttgc 420

aaggagacgg caagagaagg caatggctct tggcgctgag ccagagaaag ggcctgacat 480

tactcgagtt 490

<210> 7651
<211> 378
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024c08b1

<400> 7651

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caccggcatg gagaaggtct ccgtggaaga gcccgaggtc aagaaggagg agcacgagga 180

tggcgagaag aaggagaccc ttttttccaa gctgcaccga tccagctcca gctccagctt 240

gtttagtgac gaggaagaag aggaggtgat cgatgacaac ggcgaggtga tcaagaggaa 300

gaagaagaag gggctcaagg aaaagctcca ggggaagctg cccggccaca aggacaccga 360

gggtgagcac gtgacggg 378

<210> 7652
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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024c09b1

<400> 7652

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gtgccaagaa gaaccgatga acatgggggc gtatacctac atcaatcctc gcctgctgac 180

cgcgatgagg gcgctcggtc gtggcagcat agatgatatc aagtacgtcg gaagggcccc 240

atctgcagcc acagctacag gtttctatac tgtccatgtc caggagcaaa ccgagctcgt 300

gaagaaggcg ctgcagcgag accccatcaa gtctccgctc tgaacatgta gattctttgc 360

atagccatca gaacttctga tctcctacca tgcagaaaaa caacaggtct aaattacacc 420

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tgaggtccat tttgagtgca t 501

<210> 7653
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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024c10b1

<400> 7653

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ggccgcctcc agggccaagc tcgccgcggc caccgccagc gccaagaaag cagctgctac 180

tacagctagc gggcggggca agggcaaggg caaggccgtc aagaaggtct tctccctcac 240

cggccagaag ttcgatatcc cagaggagag ggagcccctt cggatcttct acgaatcgct 300

ctccaagcag atcccatcca gcgacatggc cgaattctgg ttaatggagc atgggctgtt 360

atctccggag agagccaaga aagcctatga cagaaagctc aaacggcagc agcagatcaa 420

atcagggacc ccgatcaagt cgtcaaattc caacactgtc agcaaacaca acaacaa 477

<210> 7654
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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024c12b1

<400> 7654

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cggcagccga tcggaacggc agcgcagggc gcggacgaca aggactacaa ggagccgccg 180

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gccgagttcc tggccacctt cctgttcctg tacatcagcg tgctcacggt gatgggcgtg 300

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ttcggcggca tgatcttcgt gctcgtctac tgcacc 396

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<211> 452
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024d01b1

<400> 7655

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ttcattggaa gccctgtgac atacgacaag aaggttttgg agacaatagg gaagaagctg 180

aagaagaata atgttgccct tgacgttgtt gattttggtg aaactgatga tgaaaagccc 240

gagaaactgg aagcgctgat cgctgctgtg aacagcagtg atagcagcca catcgtccat 300

gtccctccgg gtgatcatgc cctttctgat gttcttataa gcactcctat ctttactggt 360

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ggatatgatt ttggcgtgga cccaaatgtg ga 452

<210> 7656
<211> 501
<212> DNA
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<223> Clone ID: uC-tsrow189024d05b1

<400> 7656

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ccatgaagtt aaggtgaagg actccaagac ccttctcttc ggtgagaagg aggttgctgt 300

gtttggctgc aggaaccctg aggagatccc atgggctgct gctggtgctg agtacgttgt 360

tgagtccacc ggtgttttca ccgacaagga caaggctgca gctcacatta agggtggtgc 420

caagaaggtc atcatttctg ctcccagcaa ggatgctccc atgtttgtct gtggtgtcaa 480

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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024d06b1

<400> 7657

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tggtccagaa agtgaagaac tcggatctca agagctttct tggcgacgac tggatccggc 240

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tgctctctta cctgagtgat gatggcctat gtgccgccgg aggtgccgct tctcgtaaaa 360

tcatcaggga gaagttcaaa aacttcaacc tgtcctttga agatgtttat cgagttcaga 420

cggcatggtc tgtccctgat gaccaactcc gcgaagatgt caggat 466

<210> 7658
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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024d07b1

<400> 7658

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tctgcgccaa cagctgcggc ttcccgggca acccggccac caagaacctc tgccagaact 300

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<223> Clone ID: uC-tsrow189024d08b1

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gataactggc g 311

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<211> 463
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024d09b1

<400> 7660

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aggctcatcg gtgaggctgc aaagaaccag gcagctgtca accctgagag gaccgtcttt 360

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cttgtcccct acaagattgt caacacggag gggaagcctt aca 463

<210> 7661
<211> 489
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024d10b1

<400> 7661

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gtcagcggca agatgaggcc tattctcatg aaggggcacg agcgcccgct cacgttcctg 180

aagtacaacc gggacggcga cctgctgttc tcatgcgcca aggaccacac ccccaccgtc 240

tggtacgccg acaacggcga ccgcctcggc acctaccgcg gccacaacgg cgcggtatgg 300

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gggaatatg 489

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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024d11b1

<400> 7662

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<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024d12b1

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<210> 7664
<211> 459
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024e02b1

<400> 7664

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ggaagtgcgg cggccccgtg cgggcgtcgc tcttctcgcc caagcccgcg gtggccatgg 240

acgcgaggcc gaccaaggtg caggagctgc acgtctacga gctcaacgag cacgaccgcg 300

agagccccgc ctacctccgg ctgagcgcca agcagagcca gaacgcgctc ggcgacctcg 360

tcccttcac caacaaggtc agtcagtcca gcaagtgatg aatctttctt gctccttcct 420

ctgttccgtt cctcttcctc tgctagcttt gttgagtgg 459

<210> 7665
<211> 468
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024e03b1

<400> 7665

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tttttaaaat ttgaagtaga tgtcattccg tagcattgtg cgcgatgtaa gggatagctt 180

tgggagctta tctcgaagag gatttgacat caggattctg ggcaatggca gagggagatc 240

tcatggtgct gtccatgagt tacatgaccc cgttcctgta atccagagca gctgttgggc 300

taacttgcct tccgaattgc ttcgagatgt gattgagagg ttggaggcta gtgaggctac 360

atggccctgt aggaagaatg ttgttgcttg cgcagctgtc tgcagaacat ggagagagat 420

gtgtaaagag attgtaaaaa atccggagtt ttgtggaaag atcacttt 468

<210> 7666
<211> 490
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024e04b1

<400> 7666

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ggatttttc cgtctgctag ccatctgcca tacatgcata cctgaagtag atgaaactga 180

taaagtttca tacgaagctg agtcccctga tgaagctgca tttgttatcg cagcaagaga 240

attagggttt gagttttaca agaggacaca gacaagtata tttattcgtg aacgcgatcc 300

tagccagaat gttgcagatt atcagtatag aaaatatgag ctcctaaatg tcttggaatt 360

cagtagctca cgaagacgga tgtctgtaat agtgaaggaa ccagagccag aggggaggat 420

attactgttt agcaagggcg ctgatagtgt gatgttcaca aggcttgcac cagatggaag 480

aaaatttgag 490

<210> 7667
<211> 499
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024e06b1

<400> 7667

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cggctgcggg gcgtcgctgt cgccgtcgat gacgcggttc gggatcgccg cgcgcttcaa 180

cgccacctcg tcggccgtgt cggaggccgc cgccgcgtcg ggcgccgtcc acgcggtgcc 240

gcggaccgag cctgtcgtgt ccgccgagtg gctccacgcc aacctcaggg accccgatgt 300

gaaggtactt gatgcctctt ggtatatgcc tgcagaacaa aggaatccac ttcaggagta 360

ccaggtggct catatccctg gtgccttatt ctttgatgtc gatggaatat ctgacagagc 420

atctaatctg ccacacatgc tgccatctga aaaagcattt tctgccgctg tgtcttccct 480

tggcatctac aacaaagat 499

<210> 7668
<211> 425
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024e08b1

<400> 7668

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ggcaagcccg agccggcgcc accggtggcc gcaaacaagg ccgcggtgga ggctgcgcgc 120

atgaccgcgt cgtttctggt gaagaagctc tcggcctcgt tctcccctgg ttcggacaac 180

cgcgtggtgc acgagatccg tctgctcgcc aagtccggct ccgagagccg cgcgttcatc 240

ggagaggccg gcgccgtgcc gctcctcgtg ccgctgctca actccgagga cgccgcgctg 300

cagctcaacg ccgtgacggc gctgctcaac ctctccattc tcgatgccaa caagaagcgc 360

atcatgcaca ccgacggcgc ggtggcggcc ctctgcgaag tgatgggctc cggcgcgaca 420

tggcg 425

<210> 7669
<211> 406
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024e09b1

<400> 7669

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agagagaggc ttctcctacc cccagtctcc aaaggtcccc tccattgtca gcgagaggta 180

caggactgcc taccacttcc agcctccaag gaactggatg aacgatccat gtggaccaat 240

gtactacaat ggcgtctacc atgaattcta ccagtataac cccgatggcg cctttgaccc 300

caatgactcc cttatgaaca tggtttgggg ccattcggtt tcaacagacc tcatcaactg 360

gatcggtctt gaaccggcaa tcaaaccaga tatcccaagt gacata 406

<210> 7670
<211> 427
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024e10b1

<400> 7670

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tggcctcggc ggacgcggcg gggcagaggt ccctgccgac gccgttcctg accaagacgt 180

accagctcgt ggaggacccg gcggtggacg acgtgatctc gtggggcgag gacgggtcga 240

cgttcgtggt gtggcggccg gcggagttcg cccgggacct gctccccaag tacttcaagc 300

acaacaactt ctctagcttc gtgcggcagc tcaacaccta cggatttagg aagatcgtgc 360

cggaccggtg ggagttcgcc aacgactgct tccggcgagg cgagaagcgc ctgctctgcg 420

acataca 427

<210> 7671
<211> 180
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024e11b1

<400> 7671

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tgagcgatcc tagcatgggg aaggggcagg gtgaggcctc gcgcacctgc cggcggtcgg 120

caggtcgact tgttgcgcca ccgcgtcgtc atctcctctg caccatgaga ggcgccacct 180

<210> 7672
<211> 440
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024e12b1

<400> 7672

tatccccttc tgtgatttca gcataggccc agtgcacaag aaagatgtta tgaaggctag 60

tgttatgctt gagaggaaga aggaatatgc aactatcttg gcgtttgatg tcaaagtgat 120

gcctgatgcc cgtgatcttg cagaagagtc tggcgtgaag atcttcgtgg cagatataat 180

ataccacctt ttttgaccaa tttacagcat acattaagaa catatgggaa gagaagaaga 240

aggacagtgc cgaagaagct gttttcccct gtgttcttaa gatcatgccg aactgtgtct 300

tcaacaagaa ggatccaatt gttttgggtg tcgatatcct tgaagggata gccaaggtgg 360

gaacgcctct gtgcataccc tcgaaagaat ttatcgatat tgggaagatt gcctccattg 420

aaattaatca caagcaagtc 440

<210> 7673
<211> 505
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024f01b1

<400> 7673

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cttaaagctc gaagaagact tgttgcgaag actggctgca aagctatgat ggtggtgaag 120

tataacgcaa gtgagaatca ttgggaagta gtgtttgttg agctggagca taaccaccca 180

tgtaatcctg aaatggtcag attcatgatg tgttttaagg atctccctga ctggcagagg 240

gagcaccgac cattcaatgc gaaaactaga ttgaacccaa agattcattc tggtagaggc 300

aggccaccca accaaaacaa agatttcatg gtgaggtcct tcgctcagtc taattattca 360

attgaagcag ctgccaagtg tgggaagctg agatttgcag agggtgacgt tgaggcatta 420

ttagtctttt tcgataagat gcaagctcaa aattccaact tcttctacaa ctgggacatg 480

gatgatgaag gccggcttaa aaatg 505

<210> 7674
<211> 469
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024f02b1

<400> 7674

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caaggacccc aacgcccact tcctcctcgc cgtcaatctc caggtccccg gccggccgga 120

cgcctacagc tcggtcttct acttcgcggc ggaggcgccc atcccgccgg actccctgct 180

cgggcgcttc gtctacggcg acgacgccta ccgcaacgcc cgcttcaaga tcgtcaaccg 240

catcgtcaag ggcccctggc tcgtccgcgc caccgtcggc aactacgggg cgtgcctcct 300

gggccgcgcg ctcacgtgcc gctaccacag gggcgacgac tacctcgaga tcgacgtgga 360

catcggcagc tcggcgatcg ccactgccat cctgcatctg gcgctgggcg cggtcacctc 420

ggtgaccatc gacatgggct tccttgtcga gtcccagtcc gaggaggag 469

<210> 7675
<211> 388
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189024f03b1

<400> 7675

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ccaagttgct tcagcacacc accaccatat acttgcatca tgccatcgtc gagtttgccg 120

aggcgcttgc ctccaagatg ccaggcaatc tcaaggttgt gtacttcgtc aattctggga 180

ccgaagcgaa tgaactagca atgttgatgg ctcggctgta cagcgggaat ctcggtatga 240

ttgcattgag aaatggatac cacggtggga gtgctggaac aataggtctc acgggtttgc 300

agacgtggaa gtacccgatt cctcagggtg agattcatca tgtcatgaat ccngatcctt 360

accgtggagc ttttgggtct gatgctgc 388

<210> 7676
<211> 444
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024f05b1

<400> 7676

tgctgctcac gcggttcgcg tgcggctcgc tggccgtcgg gttcgcggcc aaccatgccg 60

ttgctgacgg ccacgccacc agcgacttcc tggtcgcgtg gggccgcgcc gcgcgagggc 120

tggacatctc cggcccgtcg ccgacgccac cgccgcacag ccaccccgat ctcttcccgc 180

cgcgcgaccc gccagtcgtc aacttcgagc accgcggcgt cgagtactac cggccgtcgc 240

ccagcaaccc caagcagggc gagggcggac accacggcgc cgaaaacgtg gtcatccaca 300

aggcgcactt caccaaggac ttcatcgccg ggctgcgcgc caaggcttcg gaggggcgcg 360

ggaggccgtt cagccggttc gagaccacgc tcgcgcacct gtggcgcacc atgacgcgcg 420

cgcgcgacct gagccccgaa gaga 444

<210> 7677
<211> 454
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024f06b1

<400> 7677

gcgacgacag cggcaagaag cacccgctgg acgccatggg cgccttcttc tcggcgcagg 60

tgaaccgccg caagctggtc accacgcaga agctggccat gtccgagcgc tgcacctcct 120

gcggcgacga cttccccggc tgcgcccacc gccccgccga ccgcaaggcg tggatggcgg 180

agctgggccc cgaccgcctg cgcctgcacc aggtggtctg gccgggcacc cacgactcgg 240

ccaccaacaa gatcggcatc cccttcatca cccgcccctt cgcgcagtgc cagtcgctct 300

ccgtctacca ccagctcgcc ctcggctgcc gcctcctcga cgtccgcgtg caggaggagc 360

gccgcgtctg ccacggcgtg ctcgccacct actccgtcga cgtcgtgctc gacgacgtcc 420

tgcgcttcct gtccgagacg gagtcggagg tcct 454

<210> 7678
<211> 385
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024f07b1

<400> 7678

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agatcgagcg ccaggcaggg tcgggcgccg ctcctccagg cggcacggtc gcggcagacc 180

ttcagttgga tctgcacctc gtacagcttg cccgccagcc tcctcttcca ctccttcccc 240

ttcgacggcg acccctcagg ttctccgacg agatccgcgt gtgcactcgc cgcgtgatgg 300

agacatcaac atcaggggtc tctccctccc gtccgcgtca aggccggagg ggactgccag 360

cggtggactg caagcgagcg agcgt 385

<210> 7679
<211> 432
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024f08b1

<400> 7679

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catggcgatg tcggcgctga acccggacgc gcccatgttc atcccggcgg cgttcaagaa 180

ggtggaggac tactcgcccg agtggtggga gctggtcaag accaccgcct ggttccgcga 240

ccactggttc cgccagcacc agctctacga ggacctcgcc gacgacgtcg acgtggacga 300

cgtcgccgcc ctcctccccg acgactccgt cgacctgctc gacgccgacg acctcttcta 360

ctccccgccg tcgccccagc cccagcccga cttctaccac tacaaaccag cagggttcgg 420

cggcgacatg ga 432

<210> 7680
<211> 375
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024f09b1

<400> 7680

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agttagagag gacggcaagt cgaaggcgtc gatttcgagc caaattcaca tgtccaaaga 120

ttgtggacgg ttgcaatcag atgagatacc aattggtagc aaagatggca gtgcagttac 180

tgttgcggcg gagaacattg tttttcacga tgcagcagtt tctgaaaaag taacactggg 240

ttcatttgct ggagactacg accaagatga tgacaatgcg gcagctttag gtgaatacct 300

taagcgacca gtgcgcttgg cgagttatgc gtgggctcaa ggaggaggtt ttgcacagag 360

catcacccct tgggc 375

<210> 7681
<211> 451
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024f10b1

<400> 7681

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ctccgttttc cttgatcatg tcctggccgg cgttgctgaa aaccctctcg ccggagggca 120

tgactttgag gcaacctcca tgttgaaaaa tcgcaggata aacaatactg atgcatacgg 180

aggaggcatc agcagcagga gcaggacaga tgatagtctt cgtccatcac ggcgggggcg 240

gcggccggtg ccggagggct tgcagttcgt gctcaacact ttaccggttg acccaagctg 300

cattggggat ggtgatggct tcactgctca tgtgaaggag atggcaggtg atacaaacaa 360

ccgagatcca aagcaatacc gaataagaat gagagggatt gatgcaccgg agctgaacat 420

ggaatatggg aagaagtcaa agaaagggtt g 451

<210> 7682
<211> 479
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024f11b1

<400> 7682

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ccgctgctct ctgctggctg tccactgacg cctcgccccc accgcctctt cccgcccccc 180

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gcgctggagg ggcctaccgg actggaaagg gagctgcatc ggggggtcgc cgatctggtg 300

gcgcggggta cgaggaggag cagcagaagg tcctccgcgc gtcgcttctc cacgtgccga 360

ggatgggatg gagcgagtcg gccatgatcg cgggtgcgag ggacgtgtcc gtgtcgccgg 420

ccatcgtcgg tgccttccca aggaaggagg ctgcgctagt tgagtttttc atggatgac 479

<210> 7683
<211> 379
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024f12b1

<400> 7683

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cgcgagctac gaggtcatgg gcatggacgc ttcggccctg gcctatggcg acatcgtcaa 180

gagggtcctc cggtactttg gcccttcaga gttctcagtg gcggtcacca tcttcggtgg 240

ccgcggccat gccgccacct ggggcaagaa gctcgacgcc gaggcatacg actgcaacaa 300

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cgaagaggtt gctgtctct 379

<210> 7684
<211> 391
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024g01b1

<400> 7684

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gacaatgtca agaaagaatt atctgcattg ctcttgcatg ctattcaggt cccgagaatt 120

atgaaagcca gtatggtaag acgttcattt ggatcatcaa gtttgagggg gcgttcattt 180

tcaaatcaag gtagctattg gctggcgata gttgacaatt tgaatgaact cttgaatatc 240

ttgcgagaaa attgtgtccc tgctattttt attcggaaga tatttaccca gattgtctca 300

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aacggagaat atgtaaaaca aggattggca c 391

<210> 7685
<211> 435
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024g02b1

<400> 7685

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ccaggatcct gcaggccggc ggcgtcgaga aggtgttccg gcagtggttc tccgtggaca 120

agaacgagcg gctggtgagg gcgtcgcagt gctacctgtc caccacggcg ggtcccatcg 180

ccgggatgct cttcgtctcc acggagcgcg tcgccttccg cagcgaccgc tcgctggccg 240

tggccgcccc cgacggcgcc aagctccgcg tgccgtacaa ggtgacgata ccgctgcgca 300

aggtgcggcg cgccgtgccc accgagaaca agcacaagcc ggagcagcgc tacatcgagg 360

tggtcaccaa cgacggcttc gagttctggt tcatgggctt cgtcagctac caccggtcgc 420

tgcagcacct ggagc 435

<210> 7686
<211> 332
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024g03b1

<400> 7686

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accggcatgg agaaggtctt cgtggaagag cccgaggtta agaaggagga gcacgaggat 180

ggcgagaaga aggagaccct cttctccaag ctgcaccgat ccagctccag ctccagctcg 240

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aagaagaagg gtctcaagga gaagctcaag ga 332

<210> 7687
<211> 397
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024g04b1

<400> 7687

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atatatacgc gccctcccaa tctctttctc cgagcgcgaa atctgacaga gcagtgtcag 180

accgttgttg agcaggaagc ggaaggacag ttcaatccgc aatggaatcc ctagccgccg 240

ccacgttctc gccctcgcgc ctcgctgccc accccgcccc gcccgcggct gcggcagcgg 300

gcagatcgag ggcggtggcg gcactaggga ggaggaggag cagcagcggc ctgaggtgct 360

cgtcggcgag cgcgaccccg gtgatcaatg ggagcgc 397

<210> 7688
<211> 394
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024g05b1

<400> 7688

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cgtcgccgtc tcctacctcg acctcgtggc cctcttcgcc tgcctgcgcc tctacgagcg 180

cctcgaccgc cactcccccc gccgggagcg gatcaaggcc gccgtctggg cgctcaccac 240

gctgctcacc gtcatgttca cctacaaggt cgccgaggtc atgccgctcg ccgtcaagct 300

cctggtctgg gcgatggccg ccgccaccac ctgcggcggc ttctacgtct ttttcgtcca 360

cgacgacaag ccgtaccagc agctgcagga cgcg 394

<210> 7689
<211> 439
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024g06b1

<400> 7689

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gaaggagcgg cttaacaagc tcggcgttct tggttgtata tcgtgcatag taggttcagt 180

tgttgtcgtt ctacatgccc ctgaagagca catgcccgat tccgttgaag aaatctggga 240

tctagctact caaccaggat ttctagcata tgcgggaaca acattgttac tcatggcaat 300

agtagtagtg ttcatcgaac ctcgatatgg tcagaagaac atactgatat atctgggtat 360

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gcttacgctg gatggaatg 439

<210> 7690
<211> 403
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024g07b1

<400> 7690

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gagacttgta ctaccagcca gcagtacaaa cacctggcct atgtcatctc ttttctccct 180

tactattgga gagctatgca gtgtttaaga aggtacatag aggaacatga cattaatcag 240

ctcgccaacg ccgggaagta cgtgtcggcg atggtggcgg ctgccgtcag gttcaagtac 300

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gtttaccagc tctactggga ctttgtcaag gattggggct ttt 403

<210> 7691
<211> 374
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024g08b1

<400> 7691

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ttgggtggtc cagctgtttc agctcctcaa ggaagaatgc ccatgggacc tggtgttcct 180

gatgggccac ctacacccag cttgaagact cgcttgtgta acaagttcaa cacagcagaa 240

ggctgtaaat gggggaacaa gtgtcatttt gctcatggag agagggagct cggaaagccc 300

atgctgttga acaactcgat ggcacctcca atgggaccaa gacccaacgg tcactttcag 360

ccctcaccga tgcc 374

<210> 7692
<211> 383
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024g09b1

<400> 7692

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gcgaaggaaa atatctcctt cacaggaatg ccggaagatg tgcatgcgtg ctagagggct 180

accttggttg ggaactggca gtctagcttt tgaagatact gaaatacaac agttgctcca 240

tgggcatacg caggatgatc catggaccac ctaccatctt ggtgaagatg gttgaaacga 300

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caagttacaa catcactgcc ttt 383

<210> 7693
<211> 420
<212> DNA
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<223> Clone ID: uC-tsrow189024g10b1

<400> 7693

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gcatacctcc tggccttcgc cgtggtcttg ctctcggcgt gcagcctcgc ctcctcgagg 180

tcgctgccct cggtcaccac ccatggagcc gacgcacagc tggaaggtgg ccgagccgcg 240

cgcgccaagc tcgaccctcc aaccgcgaat gccgataaac cgccggagct cggcatccgc 300

gacgacggtg ccattcagac tgagaagaaa aagcgccatg ccgaggcgcc gcccaagcac 360

cacgggcctg gcaaacacgc tcccccggcc gacccttcgc cgccggcgcc tgatccggac 420

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<212> DNA
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<223> Clone ID: uC-tsrow189024g12b1

<400> 7694

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atcgcgttgg tgttgccgcg caggtcggcg cagaattctt ccatggacgc ggtgatcttc 180

tccaggtagt ccttgatgga cggatccatc gcttcaagtt gg 222

<210> 7695
<211> 410
<212> DNA
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<223> Clone ID: uC-tsrow189024h01b1

<400> 7695

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aaaccacagg attgggaaaa ttgtgccttt gttcacagag ttgaaagatg atgcactgga 180

tagcttcagg gaaacatttg caggcagtca gaccgaaaga aacgcaaggg ctaattaaag 240

aagccaatga agttgttgcc taactggaag ctgcaaaaca tttcttgcaa agttgatcac 300

aatacttaat caaatgacat tgagatccag aaatgtgagt tcgaaggatg aatcacaatg 360

tatatgttac tgattattag tgatgatgca ttcagaaaat gtacataaac 410

<210> 7696
<211> 453
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024h02b1

<400> 7696

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agagacttag ggagcagcag aggatccgta aagaaataga ggaaaaagag gcgagggaag 180

cagcaaaaat gatagaagat ttaacaggaa gggggaagaa taagaaaaaa attcacattg 240

agggggatat gacaaaacaa cacgccatgg aggtggtgtt gaatcaacag gtgaaggagc 300

gtcaggagat ggaaaaaaaa ctggcgaaac ttgcaaagac aatggatcac ttggagaggg 360

caaaacggca ggaggaagca ccactaatcg aggaggcctt ccagaaacgc ctcgaagaag 420

aaaagatcct tcatgagcaa gagcagctga gag 453

<210> 7697
<211> 437
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024h03b1

<400> 7697

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gcctcatctg accacctcgc tgcaaaccaa gatccgcatc tgccgattag ggtttactac 180

gattggtatt tggtgagcag cttctaaagg ggatgggtac ggtcggcgct tggaggcgag 240

cacaggatgg ttccgtcact accggtgaag ccgtcgagga cctggatcga tctcccatcg 300

ccgccgccgg cggcggcggc ggccagcacg aggctccgaa caccgtgggc acacgggccg 360

cgcccattga cgtcgaagcg ctaggcgacg agaggaggtc gagagctaag ataaagcgcc 420

gtgtggttgt tgtggat 437

<210> 7698
<211> 360
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024h04b1

<400> 7698

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cgaggaggcg tgcatgtacg ctctccagct cgtctcgtcg tcgatcctcc cgatgacgct 180

caagaacgcc atcgagctgg gcctcctgga gaccctggtg gccgccggcg gcaagctgct 240

gacgcccgcc gaggtggctg ccaagctccc gtccacggcg aatcctgccg cggcggacat 300

ggtggaccgc atgctccggc tgctcgcctc gtacaacgtg gtgtcgtgca cgatggagga 360

<210> 7699
<211> 452
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024h05b1

<400> 7699

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gcggagggga agctggcgct gggagacatg agggtgctca agccattggc ccacctgctg 180

gtcgggctgg tgctgtactg ggtggccgag gagatgacgg tgcctgtgct ggtcgacgtc 240

accaccgccg ccctctgccc cggcgacggc agcacctcct gcccggaggc catctacctc 300

accggcctcc accaaacggt tggaggcatt ttcagggctg tgggattcac tctgatgggg 360

cagctcgccg acgagtacgg ccggaagcct ctcctcatcc tcgccgctgg cacctccatc 420

atcccttaca gtgtgcttgc tctgagcagc ac 452

<210> 7700
<211> 268
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024h06b1

<400> 7700

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gccgccgccg ccgctacagc accaatagat agatttatac tataaaataa tgctagaatc 120

agggctggct aatacaccac gtgcaaatag cctgtaccaa taactgagca tgtatgctta 180

cactgtgtat gtatttctac cttctgtgaa ttttttgtga ataccgtttg cccctaaaaa 240

aaaaagaaaa taaaaaaaaa aaagatat 268

<210> 7701
<211> 393
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024h07b1

<400> 7701

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accactgtac catgcggcgg cggagaccaa agaaggacag aagaagaggt ctcacgcctg 120

ggagcgtgta caggttcgac cctcattcag gctaatgttc ctcctctctt ttgcttcagc 180

tggttccgtt tcgaatcaaa aggcctgcag ggtgaccccg atcgccggac gtccacgagg 240

gatcgccgga gttcgtgggg ctacgttttc atcctcgtga acaactgcct ccagtacagc 300

gcttactacg gcgtgtcgac gaacctggtg aacttcctca aggtccagct gcactccggc 360

agtaaggccg cggcgaacag cgtcaccaac tgg 393

<210> 7702
<211> 347
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024h08b1

<400> 7702

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tgctggccaa agtggtgtgt gtgctgtttc tgctttggta acaggaagaa caagaagaag 180

gttaccaagc caaagacaga gaagaagaag aggttgtttt tcaagaagga agaaaatcaa 240

tcacctgcgt acgcactcag tgaaattgac gaagcagctg caggagctga aactcagaag 300

gctggtattg taaaccaaca gaagttagag aagaaatttg gccagtc 347

<210> 7703
<211> 398
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024h09b1

<400> 7703

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taaattgtct tgttatcata ctacaattca tcctggtcgt ctcctctatc ctcgtcaaga 120

tcagattttt gtccatctct cctcgtcaga tccatcggga tcctgacagt cgtgtgtaca 180

ggtgccccgc catgaagtgc ccttccgatt cctcggctgg tcgtgatccc tgggctcctc 240

ctcccgcttc tggcggtggc ggctccagcg agccagccaa gaagcggcag cggacctcga 300

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acgcgagaga ggtgccggat ctgggggagg acgtgatg 398

<210> 7704
<211> 462
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024h10b1

<400> 7704

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ctactgggtt gcccagctcc tcggcgccat cgtcggcgcc ttcctcgtcc agttctgcac 180

cggcgtggcc acccctacac acgggctttc cggcgtgggc gcctttgagg gcgtcgtgat 240

ggagatcatc gtcaccttcg ggctcgtcta caccgtgtac gccaccgccg ccgaccccaa 300

gaagggatcc ctcggcacca tcgcccccat cgccatcggc ttcatcgtcg gcgccaacat 360

cctcgtggcc ggcccccttct ccggcgggtc catgaaccct gcacgctcct tcggccccgc 420

cgttgccagc ggcgacttca ccaacatctg ggtctactgg gc 462

<210> 7705
<211> 383
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024h11b1

<400> 7705

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ttcatctcca ccctcatctt cgtcttcgcc ggcgtcggct ctgccatcgc ctacactaag 180

gtgagcggcg gcgcgccccc tgacccatcc gggctgattg ccgtggcgat atgccacggg 240

ttcgggctgt tcgtcgcggt cgccatcggc gccaacatct ccggcggcca cgtgaaccct 300

gccgtcacct tcggcctcgc cctcggcggc cagatcacca tcctcaccgg catcttctat 360

tgggttgccc agctcctcgg tgc 383

<210> 7706
<211> 421
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189024h12b1

<400> 7706

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gggtactacg gcctcgacga gcacgcgccc gagaggaagc gccggctgac ggcggagcag 120

gtgcgcgcgc tggagcggag cttcgaggag gagaagcgga agctggagcc ggagcggaag 180

agcgagctgg cgcggcggct gggaatcgcg ccgcggcagg tggccgtgtg gttccagaac 240

cgccgcgcgc gctggaaggc gaagcagctc gagcaggact tcgatgctct cagggccgcc 300

cacgacgagc tgctcgccgg acgcgacgcg ctcctcgccg acaaccaccg actacgatcg 360

caggtgacat cactgaccga gaaactgcaa gccaaggagt cgtcggagct agaggagcga 420

a 421

<210> 7707
<211> 388

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025a03b1

<400> 7707

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gcaaggcgga gctgctcgag ttctgggacc agatctccga caccagcttc gacagccgcc 180

tgcagacctt cttcgacatg gtcgacaagg acgctgacgg caggatcacc gaggaggagg 240

tcaaagagat catcacgctg agcgcggcgg ccaacaacct gaagaaggtc tcggagcagt 300

cgaggagtac gcccggctca tatggaggag ctcgacccca acaacctcgg ctacatcgag 360

ctgtacaatc tggagatgct gctgctgc 388

<210> 7708
<211> 407
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025a04b1

<400> 7708

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cagtgacctt cacgtcgaaa taaccggacc ttttagatga tctggagatg gtgaggagct 120

gagagcacct agagatcggc agtgggggct gtggggcagc aaggacatga ctgtcatgcc 180

gcctgcgcgc catcggcccg cggccaagac gcccatgtgg ataatcgtgc tcctgtccct 240

cgtctgcgtc gtgctgatcg gggcgtacgt gtacccgccg cggcactact cgcagtgcta 300

cctctctgct tctagcgtct gcacgccgtt gaaggattgg ctcccatcca tcggccgccg 360

ggagaaaacc gacgacgaga tcatctcagc cgctgttatc agggata 407

<210> 7709
<211> 364
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025a05b1

<400> 7709

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gatcctcgtt ccatggtgtc gtgacggcgg cggcgctcat ggaccccaag tcccccgacg 180

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agcgcggtgc cggcgaggac gtgcaggaag ttgacatcat ttctgcaatt gagtttgaca 300

aatctggtga tcatcttgcc actggagata ggggtggacg cgtaggtttg tttgaaagaa 360

ctga 364

<210> 7710
<211> 256
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025a06b1

<400> 7710

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aatcaaatta aacaaacaaa tcaaacaaat caaattaaac aaatcaaatt acttttaata 120

tactaatatc cttattaatc aattaattct ttaatcttta attctctttt ctcaaaaaat 180

aaataaataa ataaaaatgt ctcttacacc acctacttct tttgagacct tacctccacc 240

tcctctttct agtagt 256

<210> 7711
<211> 351
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025a07b1

<400> 7711

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agcaagaagc tcagcaaatt gtaaatgctg ctagggctgc taaaacggcg aggcttaggc 180

aagccaaaga agaggctgag agagaaatag ctgagtaccg tgcacaaatg gaggctgatt 240

tccagaggaa gctcaccgag accagcggtg actctggcgc aaacgtcaaa cgccttgagc 300

aagagacaaa cgtaaagatt gagcagctca agcagcaggc agcaaacatc t 351

<210> 7712
<211> 256
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025a08b1

<400> 7712

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atgaaataac tcagctaaga ggctactagc aaaatcttaa gagtacagag acttgttgca 180

cgagtgagtc actgtaccac catgtgtcat aacttggaag tgctcaacga tgttggccaa 240

attctcatag aaagct 256

<210> 7713
<211> 370
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
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<400> 7713

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gtctgacgct ttaccgtaag ccttcttcat gttttctgtt ttatttttga ttcagtaggc 120

atattgtttt tctaccaatt attaagcaat ttggtgggcg tgataaaaaa acccgagggg 180

tactgatttc tctccgcaat ttatttttctt gagaatcccg cgccattgca aggcatattc 240

tccgcaaaca caagcccggg cttctaggag caggcagcct cgaggagtcg gcgatggtgg 300

atgtatgggt ncgacgntgg atgcccacca gctggagccc gtactcaagc ccatcgtgtg 360

gaactgcatc 370

<210> 7714
<211> 353
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025a10b1

<400> 7714

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cgtgggcccc acgactgcct cctcggcacg ctagcctgcg cctgctcccg ccaaggagca 180

gcagcaacaa cagcggcggc ggcggagggg acaagcccac cacctcgtgg gtcagccccg 240

actggctcac gtcgctgtcc cgctcggtgc tcggccgggg gaacgacgac tcggggatcc 300

ccgtcgcctc cgccaagctc gacgacgtgc agggacctct cgggggcgcg ctc 353

<210> 7715
<211> 314
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025a11b1

<400> 7715

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gggagggtgg tcgc 314

<210> 7716
<211> 387
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025b01b1

<400> 7716

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ggcgaggaga tcatgagcgc cgccgtcgcc gagcacggca agggcgccgt gctcgccgcg 180

ctcaacgaga tccaggaccg ccacgacgcc gccagggagg tggagcgcag cctcctcgag 240

ctccaccagg tgttccttga catggccgtc gtcgtacagt cgcaggggga caagcttcag 300

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ggcaaggtcc gcgagcacca gcgcggc 387

<210> 7717
<211> 196
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025b02b1

<400> 7717

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ctgggatagc tctgctagtt cgtcgacttt ggaaatggcc accaactcga ggtcgaactc 120

cagggccacc ttctccagcg agatccacga catcggcacg gtgcagaact ccaccacgcc 180

cagcatggtg tactac 196

<210> 7718
<211> 174
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025b04b1

<400> 7718

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gagccgatgt caatgcttca gaaaatggca gagttgatgg aatattgtga cctgttagac 120

aaagcagatg aatgtgagga tccacacatg cggatggtat atgcttctac atgg 174

<210> 7719
<211> 195
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025b05b1

<400> 7719

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ggcacgcacc aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120

aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 180

aaaaaaaagg ggggc 195

<210> 7720
<211> 348
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025b06b1

<400> 7720

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catcagctgg tcaagatgac agctggttta cagctcggcg tgatcgggtc tctcgcgctc 180

tccgttgcat cttcagttgc cattgtcatc tgcaacaaag ctctcatcag cacacttggt 240

ttcccatttg ctacaacatt aacaagctgg catctcatgg tgacctactg caccctccat 300

gtggcacaac gcttacattt ttttgagccc aggcaattga tggacata 348

<210> 7721
<211> 401
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025b07b1

<400> 7721

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gacgactaat acaacacctg ctcacgtcgt gactacatct tactgctcga tagtagcaca 180

cttggacaga agctgtgatg gcttaacatg atacaatcgt tgtttatttt ttgggcaact 240

atacatcgtt gttgagctga aatatagatg gctgtgcttt gccaaatgaa ctttatccca 300

tatagcaaag ccatccattt ttacatgcac ttggattctt gtaaccagta aacttgatct 360

tggatcctgt gatgcagtgt actggtctac tacttaaaac t 401

<210> 7722

<211> 393
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025b09b1

<400> 7722

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ccctcttcct tcttctggcg attagggttg tccccagcgc cgccggccag ctgctggcac 120

cggcgcggta cctcgttcct gccggcgcac cgccggccgc ttccaccccc ccatacacct 180

ccgtcgccag agcctgcccg ctccccccgcc acccctcatc ctgaggactt cctgctagcc 240

cccgccggca agaaagcccg aggaccacca gcttttcacg aggaggccac tgtctccgca 300

tcttccactg tttcgctact gctaccgcct gtctgtcatc tgcgtcagcg gctgcagatc 360

cgccccggca tcatgtcttc agaggagctc aca 393

<210> 7723
<211> 298
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025b10b1

<400> 7723

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gctcctccgg tcggcctccc gcgcgcgcgc ggcctccccg tcgccgctcc cccgcgcggc 180

cccgctccac cgcccgtccc cggccggcta cctcttcaac cgcgccgcca actacgcctc 240

cgccgccgcc gccgccgagg cccccgccga gaagctgccc cccacctccg acaagtac 298

<210> 7724
<211> 435
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025b11b1

<400> 7724

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aggtgcttcg ggtgcttgat ctagagggta ctagtaggac atcagatggt actgctagtg 180

taacagatga tgttctggag aagatcgtga agcagtttcg tcgcctcaag ttcatgtccc 240

tgcgtggatg catggaagtc actcgtctcc ctgattcatt gggtgccatg actcagctgg 300

agactttgga tgccaggcac acctccatag tcgagctgcc acctgctatc atcaccaagc 360

tacacaagct tcagtacatt cgtgctggca ccaccaaagc aagacgacta caagcagcaa 420

caagagcagc agcag 435

<210> 7725
<211> 365
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189025b12b1

<400> 7725

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gctccccacc aacgcgcaac tccccaagga gctccaccca gtgttcttcc ttttcgtcgc 120

cgcacctagc gttgcttcca tggcatggac gaggatttgt ggagagttca acgatggttc 180

caagctcctt tacttcgtct cgctattcct ctacgtgtct ttggtggtgc gcatcaacct 240

ctttaggggc ttcaagttct cactggcatg gtgnggcgta cacattcccg atgacgagtg 300

tggccttggc gacggtgtta tatgcatctg aggtagacaa cgtgctgaca cgggcactag 360

cggtc 365

<210> 7726
<211> 356
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025c01b1

<400> 7726

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tgtgctgggc gagcaggagc agcacatggc cgtgaactac tacccgcggt gccctaagcc 180

ggacctcacc tacggcctgc ccaagcacac ggaccccaac gccctcacca ttctcctcat 240

ggacccccac gtctccggcc tgcaggtcct caaggacggc gcccagtgga tcgtccgttg 300

acccccggcc caacgccctc gtcgtcaacc taggcgacca gttgcaggcg ctgagc 356

<210> 7727
<211> 406
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025c02b1

<400> 7727

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acgaaaaatg tttcaatcta caaagctcaa gcatctgctc ttgaagctca tgcagccccc 120

aactgcaagg ttttggttgt tgccaaccca gcaaacacca atgctctcat cctgaaggag 180

tttgctccat ctatccctga gaagaacatc agttgtttga cccgcctaga ccacaacagg 240

gcactcggtc agatttctga gagacttggt gtccaagttt ctgacgtgaa gaatgctatt 300

atctggggta atcactcgtc cagtcagtac cctgatgtta accacgccac tgtgaagact 360

tccagtggag agaagcctgt tcgtgaactt gttcaagatg atgaat 406

<210> 7728
<211> 390
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025c03b1

<400> 7728

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tcggccagag cacaggatgg cgaccgtccc cgctcccgca gccgagaccg cggcctccac 120

cgcgcgcacg gtgaaggatg tcaaccccca cgagttcgtc aaggcctact ccgcgcacct 180

caagcgctcc ggcaagatgg agcttccaga gtgggttgac attgtcaaga ctgcaaggtt 240

caaggagctg ccaccttctg atgctgactg gtactacatc agggctgcct cgatggcaag 300

gaagatctac ctgaggcagg gaatcgggat cggcggcttc agaagatcta cggtggccgt 360

cagaggaacg gttcacgccc accgcacttt 390

<210> 7729
<211> 263
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025c04b1

<400> 7729

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aaggttcttc cattccatgg cttccacggc cctcgcgagc gtgtgcccca tcgcgtccct 120

ctccgggcgc tcgtcgccgg cgagctaccg ggccgtgagg tgctggggcg cgaggagggg 180

gaggcggcgg aggtcggcgg ggctgagggc gaggtgcgcg ggcggccagc cctccgccgt 240

gaagcccggc ccggagagcc ccg 263

<210> 7730
<211> 298
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025c05b1

<400> 7730

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accctcctgc cgccggtgcc taccctccgc acggcggtta ccaggcgcac ggctacgcgc 180

cggcggccta cccctctcac ggggcgcacc acggtcacat gggatcgtac cacaccgggc 240

atggcggcgg gcaccaccac ggcggcaagc acggaggcaa gtaccatggc ggcaagca 298

<210> 7731
<211> 235
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025c06b1

<400> 7731

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gcttgtgagc ctgaaaggtg ccgaagtcct ctcgaagcta caggtactga atgctggcaa 180

aaataaattg acaagaatcg atgaggtcaa atctatgaca agcctgggag ccttg 235

<210> 7732
<211> 390
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025c07b1

<400> 7732

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atgcactttc taaaagaggc ggtatatttg tgatggatgt atatggtggc acatcatctg 120

aatgcaagct tcgtctccag aggagattcc ccagcttcac ttatttctgg gagcaagaag 180

agtttgatat cataactcgt gaaacaagga tcagcctcca ctttcaagtt ggaaagaagc 240

aaatgatacg gcatgctttc acgtaccatt ggcgcctgtg gtcgatacca gaaatcaagg 300

actgtttgga ggaagctgga tttaagtcca tccacgtctg ggtcagggag atgccggaca 360

ccaaatcaag cggaaacgca aaggagtaca 390

<210> 7733
<211> 316
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025c08b1

<400> 7733

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ggatggcgaa gcacccgtcc gccctgggca agttcgagga gatcgtggcc gcgtccaagg 120

ggaagcagat cgtcatgttc ctggactacg acggcacgct gtcccccatc gtcgatgacc 180

ccgacgccgc cttcatgagc gagacgatgc ggatggccgt gcgcagcgtg gccaagcact 240

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ggagctctac tacgcc 316

<210> 7734
<211> 306

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025c09b1

<400> 7734

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gcccgaatta cgcggggccc cggcggccgc cgttccggtt ggcccgggtg gcggtgaacg 120

gcggctggcc ggaacgcttc ttcttaacgg tttccttctt ttcggctttc tttttctttt 180

ggttggggtt ggcaaggttc ttcttttacg gcggcggcgg ggccttgggc ggccgccgcg 240

gggttgcaac ggccaagttg cttaaaagca gggggtccgg caacggcggg aacaagaagg 300

aaggcg 306

<210> 7735
<211> 404
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025c10b1

<400> 7735

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gctgcggcgg ctcggcgtgg ggaagggcga cgtggtcatg aacctgctcc gcaactgccc 120

ggagttcgcc ttcgtgttcc tcggcgcggc ccggctgggc gccgccacca ccaccgccaa 180

cccgttctgc acgccgcacg agatccaccg ccaggcgagc gcggccgggg cgcggctgat 240

cgtcaccgag gcctgcgccg tcacaaggtg cgcgccttcg ccgccgacgc gggatccccg 300

tggtcaccgt cgacgggccg gcctccgacg acggcggctg cttcgcgttc gacgaggccc 360

tgctgcccgc ggagccgctc gccgccgaca gcaggtcgac ccga 404

<210> 7736
<211> 274
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025c11b1

<400> 7736

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ggcggatgtg acgttccgcc tcgggcgcga ggcgtacggc ggtcaccgca gcccgccggg 120

gctgacgggc tacggcgtgt gcacgtgcgt gctgcacgcg ctcatgcgct ttgtgccgcc 180

tctgcgcacg tccgcggtgc tgaaccgcgc gttcatcgcc gacccgcact gtgcggtgac 240

cgtcacagcc cccggctgca cccccggtgt ggac 274

<210> 7737
<211> 182
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025c12b1

<400> 7737

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cctcccgttg ccgcagcagc aagagaatgg gcagcgtcga cgcctccgag acgacggtca 120

ccgggtgggc cgccagggac gccaccggcc acctctcccc ctacagatac accctcagga 180

aa 182

<210> 7738
<211> 260
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025d01b1

<400> 7738

tgttcaacga catgagcggc aaccacgtcg gcgtcgacgt caacggcctc aactccgtcg 60

acgccgacaa cgccggctac tacgacgacg gcaccggcgc cttcaggaac atcagcctgg 120

tggaccgcaa gcccatgcag gtgtgggtgg acttcgacgg ccggaccatg caggtcaacg 180

tcaccatggc gcccctgcag gtggcccggc ccaagaggcc cctgctctcc gccaccgtca 240

acctctcctc cgtcatcgac 260

<210> 7739
<211> 387
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025d03b1

<400> 7739

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ccatggaatt gaagataaca tgggaggagg ctcaagaatt gcttcgccct cccctgaagg 120

ccccttcggt tgttattgtt gatggccatg agtttgagga atatgaggag ccaccagtac 180

ttgggaggaa gacatatttt gtgactgacc aatcaggtga gaatcatcag tgggctcagt 240

gtgaggattg ttccaaatgg cggaaactgc caatagacgc ccttttaccc tctaagtgga 300

cctgctccga caataaatgg gatcctgaaa ggatgaactt gtgtctctcc acaagaggca 360

agcatggagg aacttgcaga actgatt 387

<210> 7740
<211> 295
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025d04b1

<400> 7740

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gttctgcagt cccttaggct catcgtcaat agccccaagc acgtccggct ccgcagcaaa 120

agcctcatgt gcgcgctcgt tgggctatcc acggtggagg agttgaccgt ggtggacacg 180

ccgctcctgg cgcggttttg ttggtccggg cctggtaagg gggggaggat caggatcgtt 240

tgtgctccca acctgcgggc gctcggttac ctggacacaa gagttctcaa gctgc 295

<210> 7741
<211> 507
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025d05b1

<400> 7741

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agagatactc accctggaca tttctacgac cagtgtactt tccaggggac tgttccatca 180

aagccatcta gcatctatca tagttttaaa cataaacgct ggctgcaagc atcttgttgc 240

cgcagaggga ctccacacct ttacttctct ccaaaagctt cagctgtgcc actctgacat 300

atcagatcag aatttggaaa gtcttcttca ggtgctgccc tctttgtact cgtttgagat 360

gatagatctg cccaacatga catctctggt gccagcaaat aatagtttgt gtacaacagt 420

cacagagttg caaatatcca actgtccact gctctcttct gtagtctcct tgagtacttt 480

tgtttcactg aaacgtttgg tgattga 507

<210> 7742
<211> 326
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025d07b1

<400> 7742

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tgcgtggcgg cgctggagga ggccggcgtc gagtacgagc tcgtccccat caacttcggc 180

accggcgagc acaagagccc cgaccacctc gccaggaacc cctttggcca ggtgccagct 240

ttgcaggatg gtgacttgta cgtcttcgaa tcacgtgcta tttgcaagaa tgcgtgccgc 300

aagaacaagc cagagctgtt gaagga 326

<210> 7743
<211> 302
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189025d08b1

<400> 7743

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aatcaggagg caattccaat tatttaatga ggtccaagat tgtgatatgg ggtgaaggta 180

ccactaacag ttgccaagat taatctcgtg tataggagct taggatcttc aatggtctca 240

acttcgacga ttttataggt gcctgttact ggcttgcaga tnggcgtgcc acgtatatta 300

ca 302

<210> 7744
<211> 261
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025d09b1

<400> 7744

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ccagaccatc agcttccccc aaattcccca cgccgcgccg agccgccgat cgaaccgcag 120

aatctcgagc gccgcccgcg atgccgaaga agatgggcgt caactccaag gcggaggcct 180

gccgcgagcg ccgctccgcc gaggagtcgg accgtcgcca gcgcgccgag cgcgccaagg 240

agggaggagt actggcgcga g 261

<210> 7745
<211> 431
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025d10b1

<400> 7745

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cacgcgccct gggcctgcca ccaccttgcc ggctgctgct ggtgctgatc ccgtggatgt 180

ccggtgcgcg atccgtgccc atggacgcga gatggctgaa gacgaggagt ccgcttgcca 240

ccaccgcaag cgcccggctt ccaaggctcc aatctgcctg cccgccactg ctgctgcgcc 300

tgtgaagaag gtctctcgtc aggtcgcttc aaggcttgct ctttcgtcgg ctctacacca 360

ctgcctgcca ctgctgctgc gcccagtgtg caaccgaagc cgcagatcag catgcgcgaa 420

ctgatcgaga a 431

<210> 7746
<211> 299
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025d11b1

<400> 7746

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gatctgaagg cttccgtcta cttcaaccag ggctgcctcc gatggtcctg ctttcggcgg 180

cctttgtcgt cggagttgta ccggtttggc ggctggaggt gggaaggtgg ctccggagaa 240

atccgaggcc agcagtgctg gtcacgacgg cggcgacgcc cgagggcgcc gtacccttc 299

<210> 7747
<211> 366
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025d12b1

<400> 7747

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ccgcatgggc ctcaacgtgg cccgcgaggc cttcgacgac acggcgggcg cggcggagca 180

catcgcggcg cacgcgctcc gcgacacggc ggccatcgcg tcggcgcgcg cggcggagct 240

gtacggcctc caggtgctgg cggacggcgt gcaggacgac gccgggaacg tgacccggtt 300

cgtgatgctg gcgcgggagc ccatcatccc gcggacggac cggccgttca agacgagcat 360

cgtgct 366

<210> 7748
<211> 320
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025e01b1

<400> 7748

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ctttttgggt tcatcagatt tggaggatgt cttgcaactg tggatccggt tgcagctgcg 120

gctcagactg caagtgcggg aaggtgtacc ctgatctgac ggagcagggc agtgccgccg 180

cccaggtcgc cgccgtggtc gtcctcggcg tggcgcctga gagcaaggca ggtcagttcg 240

aggtggccgc cggccagtcc ggcgagggct gcagctgcgg cgacaactgc aagtgcaacc 300

cctgcaactg ttaagctgca 320

<210> 7749
<211> 386
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025e03b1

<400> 7749

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tcatctgttc catccttttg aggctgagat ggcggctacc ttcaatgtta atgctgaggc 120

aggccttaaa aagcttgatg gctaccttct gtctcgcagt tacatctctg gataccaagc 180

ttccaaggat gacttggctg tgtattcaga gttctcagtt gctccaccat caacttgcac 240

caatgttgca aggtggtaca atcacattga tgcactcctg aagctgagtg gagttactgc 300

ccctggcaag gtgggaaggt tctgtcataa gttgtccctg aaacctcaac tactgatgtt 360

gctgaggctc ctgcagctga tgatga 386

<210> 7750
<211> 447
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025e04b1

<400> 7750

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ttctcggtgg aagggagcga ggaggcagag agttcgatca gagaaagcaa ttgtgcaatc 120

tctttcttca ggtaagtgat accctgacaa cagtttgata ctattgttgt atttgattcc 180

tttcgcttca gttacaggct ataactatcc tgcaagatgg tgggacgaat cagaagtcca 240

ccaaccgctt gcacgtgtca tgcgtgtttg tcggaacaga tctgcagcta cccctatcct 300

ctccatatca gagaaagatg gatcggtcgt atgtacacca agctggatca acagagctta 360

ctacgttgca ttaaccaata cctttgtggt cgtcaactga aatggattat ttttttcaag 420

tattatttca tggattactg tttgcta 447

<210> 7751
<211> 378
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025e05b1

<400> 7751

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ggcaccggcc acccctgtga agacggtgga cgtgcagacg gcggcggcac cggacgtggg 180

ggtgacggca gtggacgtgc agacggcggc ggcaccggcc gtgggggtga cgacggtgga 240

cgtgcagacg gcggcaacgc cggccgtgga cacgaagacg gtggcgacac cggcggtgga 300

agtgacgacg gtggacgtgc agacggcggc gagggagcag caggacggca tgatgtacct 360

ggacgtgagg acggagga 378

<210> 7752
<211> 520
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025e06b1

<400> 7752

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ccagcccagt ggaaggggtg tgcgagtagg agaaggccag cagataggat gttcctgtgg 180

gactggttct acggggtgct ggcctccctt ggcctgtggc agaaggaggc caagatcctc 240

ttcctcggcc tcgacaacgc cggcaagacc actctcctcc acatgctcaa ggacgagcgg 300

ctggtgcagc accagccgac gcagcacccc acgtccgagg agctcagcat cggcaagatc 360

aagttcaaag ccttcgacct cggcggccac cagatcgctc gacgggtctg gaaggactac 420

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gaatcgaaaa aggagctgga tgctctcctt tctgatgatt 520

<210> 7753
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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025e08b1

<400> 7753

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atctgttccg caagaccatg ggaccagtga agaaggccat ggatgatgct ggtctcgaga 180

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agctcctcag ggactacttt gacggcaagg agccaaacaa gggtgtgaac cctgatgagg 300

gctgttgcct tcggagctgc agtgcaggga agcatcttga gcggcgaggg cggtgacgag 360

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ggagtcat 428

<210> 7754
<211> 279
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189025e09b1

<400> 7754

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ccgccgcgga gcacggcgtc ccgcggctgg cgttcctcgg caccagcatg ttcgcgcggg 180

cctgcaccga cagcatgctg cgcaacaacc cgctggcgtc ttgccccgac gccgtcgtct 240

ccctgccggg gctgccganc cgcgtcgaca tgttacgga 279

<210> 7755
<211> 422
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations

<223> Clone ID: uC-tsrow189025e10b1

<400> 7755

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gccgacgagg acgacggcga cgacgacggg gagcaagagg agagctgcgg ctgcgacggc 180

gccgaggcgg agcgcgaggc cggaggcgtg gacatcgccg aggagagcct ggacgccgcg 240

ccgtacaagc tgcggcggcg gaactcggag acgatgcgcg cgcagtacat cagcaccaag 300

gagctcagga tctgcattgg cacgtacaac gccgccggca tagagccgcc ggaaggcctc 360

gacatgncga gtggctcggc accaccggcg gcgagcaggc cgactggtac gtgttcgggt 420

tc 422

<210> 7756
<211> 504
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025e11b1

<400> 7756

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ctgggccgcc gagaagaaga ccaaggccgt cgaggagaag aagaaatcca gcgagaacgt 180

caaggtcatc tacgcccgcg ccaagcagta cgccgaggag tacgatgccc aggacaagga 240

gttggttcag cttaagcgtg aggcccggat gaagggtggg ttctatgtca gtcctgaggc 300

taagctgctg tttgttgtca gaatcagagg tatcaatgcc atgcacccaa agaccaagaa 360

gatcttgcag ctgttgcgtt tgagacagat attcatggag tgttcctgaa ggttaacaag 420

gccaccatca acatgctccg cagggtcgag ccatatgttg catatgggta cccgaacctg 480

aagagtgtga gggagttgat ctac 504

<210> 7757
<211> 306
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025e12b1

<400> 7757

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cgcgcctccc ctccaccgct cctcctacaa gaacccccct cgcctgcctg cgctgcagcc 180

tacgccggcg agtcaacctc tctctcatct tcgggtcggg ggatctcgcg cgctcctccc 240

ggaatcaggc gccggcggtc ggagggacaa agacacggac atggagggcg gtcgcggcgg 300

ccggtg 306

<210> 7758
<211> 276
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025f01b1

<400> 7758

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gaagcagtgt ggagcacgct gctgctacct ggtcatgctc tcagcagtgt gaatctccag 120

aagcatgctt gccgtgcctt cttccgggtg caccggaggc tggcatgtga gcaggggtgc 180

ttcagtgacg cagaagaaaa aaggcaagtc ttatcggcag ggaaggctac gcctttcttc 240

caggtctccc tctctccatc taaatctgtg tttgga 276

<210> 7759
<211> 304
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025f03b1

<400> 7759

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gaaatggggt ctgtgccgga ggagtcggtt gcggcggcgc cggaggtggt gttccggtcg 180

aggctgccgg acatcgagat ccccaacgag cagacgctgc agagctactg cttcgccaag 240

atgtccgaag gtggggtccc gcccctgcat catcgacggc cagacgggcg cctcctacac 300

ctac 304

<210> 7760
<211> 383
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025f04b1

<400> 7760

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accggcgggc gcatcgtggt ggggtgcatc ccgtaccggg tgcgcgcagg cggcgacggc 180

gacggcgagg gcgagctgga ggtgctggtc atcagctcgc agaaggggca cggcatgatg 240

ttccccaagg gcgggtggga gctggacgag tccatggacg acgcggcccg gcgcgaggcc 300

ctggaggagg ccggcgtccg cggcgagatg ggcaaggtgc tcggctgctg gcactaccag 360

agccgccgct accagaccac cta 383

<210> 7761
<211> 414
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025f05b1

<400> 7761

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cgcggttcct gccgacgagg ccgctgcggg acgacctgcc caccttccag ggcggcgggg 180

gcggcaaggg ggaggagagc cacctcatgg gcctgcggaa gcgcctctcc agcttctccg 240

gcaagatcca gcccatctcc tccgcgtccg ccgagtgggc gttccggcgc acccggtcgg 300

cgcgttcgct ggccgccgag ttcgccggcg gcccgctcaa gcgctggtgg gactggggcc 360

tcggctggct gctctccaag aagctcggct tcgccggcga cctggagatg aacg 414

<210> 7762

<211> 469
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025f06b1

<400> 7762

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tctgccacgg cttgtctgcg cacaggccgc caatgccaac ccgctgtacc gctactacaa 180

gtcagggtgg acacaattcc agccacaggt ggctgagcca acatttgcgt cggcgattca 240

gatcggtgac cctgtatcgg tcgaccgtgc ggtggtcgca ctcaaggcaa caaatggcat 300

cgtcgcagag gccacggagg aggagctcat gaatgcaatg tccctcgcag accgcaccgg 360

catgtttgcc tgcccgcaca ctggggtcgc gctcgcggct ctcttcaagc ttcgggaaga 420

gggcaccatc ggggcaaatg accgcacagt gtgtcgtcag cacggcgca 469

<210> 7763
<211> 294
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025f07b1

<400> 7763

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actcttctca caaggctatc aatgagtaca aggaggctaa ggcgcttggc gttgataccg 120

tccccgtact tgtcggacca gtctcatact tgttactctc aaaggccgcc aagggcgtag 180

agaaatcatt ctctcccctt tcccttctta gcagcatcct tcccgtctac aaggaggtta 240

ttgctgagtt gaaggcagct ggcgcttcat ggattcagtt tgatgagccc accc 294

<210> 7764
<211> 339
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025f08b1

<400> 7764

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agtcactgaa ataggcaatg acaagacgat cttgaagaag atcctccagg agggtgaagg 120

ctatgatcgt cccaaagact gttcaactgt caaagtgaaa cttattggga agttggatga 180

tggcaccatg tttgtaaaga aaggtcatga tggtgaagag ccattcgagt tcaagactga 240

tgaggatcag gtgattgaag ggcttgacaa agcagtgctt agcatgaaga aaggagaagt 300

tgcctttgtg actattcccc cagagcatgc atttggatc 339

<210> 7765
<211> 251
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025f09b1

<400> 7765

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tggtggcgcg gcaggtgccg ggcagctacg gcctgccgtt cgtctcggcc atccgcgacc 180

ggctcgactt ctactacttc cagggccagg acaagtactt cgagtcccgc gtccacaagt 240

acggctccac c 251

<210> 7766
<211> 453
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189025f10b1

<400> 7766

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gcgcgtcgcc gccaagctcg agtccatgga gccctgctcc agcgtcaagg acaggattgg 180

atacagcatg atcaccgacg cggaggagaa ggggttcatc gtcccaggca agagtgtcct 240

gattgagcca accagtggca acacaggcat tgggctggcc ttcatggctg ctgccaaggg 300

ttacagactt gtactcacaa tngcccgcat catgagttgg agaggagaat catcttgaag 360

gcttttggtg ctgagctggt cctcaccgac ccactcttgg gaatgaaagg agctgtccan 420

aaggcggaag agctggcagc aaagacacct aac 453

<210> 7767
<211> 525
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025f11b1

<400> 7767

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ccctctccct ccaagtccag ccccctctcc tcacccccc tcgccggagc gcgccgcatc 120

gcctccattt ccttctcttc cgtcagcgtg tgtggcgtct tgcgtccccg cggcggcgtt 180

acctcgtcgg tcaccgccgc agcagcggcg ctcggcgagg ccgcagagcc cgggtctgag 240

gccatattgc tcagtgttca gggcatgatg tgcgacgggt gcgctgcgag tgtgaagcgg 300

attctcgaga gtcaacctga ggttacttct gctacagttg attataagga agcaagggct 360

gtcgtgtgga caactcctga tgtcaaggtg gcagaagatt ggcagaaaca atgtggagag 420

aaactcgcaa gtcatcttgg tacttgtgga tttgagtctc gccccaaggg taaggtgaag 480

cctgataaag tcaactctga gtcgtaactg ctgccgcaga tgagc 525

<210> 7768
<211> 451
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189025f12b1

<400> 7768

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ccctttgact gactggaatt attgatacgc gtagaaatct ctctcagcct tcaattttct 120

ttctttgttt attggacggt ttcttggtag ttggcgagca gtgctccagc tccatccagg 180

ggccacgaac gtgggtctgg aggagatctg agcctcctcc gtgaggaagg aaatttgcta 240

agtccaccta agatttcatc gacgatcact tcgacacatg agatgaaggc aagaagcagc 300

ttctacgctc agtgacagct cggtccttcc atcccattcc caggtgaaga tcaatggcta 360

ctactagtag tacggctggn ggatctcacg gcagttctcg gccctgctat cctcggcggt 420

ctggaatggg tgctgatcct gctgatgctg c 451

<210> 7769
<211> 299
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025g01b1

<400> 7769

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ggccgacgcc gcgtcggggg agctgttcgc ggtcaagtcc gtgcgcgcgg cggacgcggc 180

gcatctgagc cgggagcagg ggatcctctc cgcgctctgc tcgccgcacg tcgtcggctg 240

catcggcggc ggtggcgacc gcgacgggtc ctaccacctc ttcttcgagt tcgcccccg 299

<210> 7770
<211> 298
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025g02b1

<400> 7770

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gagaccaaca gttccactgg aggcatgctt agcaagtttt tcaggccgag aggaagtgcc 180

tgatttttac agcactgcat tgaattcaaa aacaacatca attaagactg ttggctttaa 240

aacttttcct gattacctgg tgcttcagat gcgtaagttt gtaatggaag caggatgg 298

<210> 7771
<211> 106
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025g03b1

<400> 7771

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ttatatgccg atcttcttct ggtacttctt gattcaaatc cagcgt 106

<210> 7772
<211> 344
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025g04b1

<400> 7772

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agaagaagaa gtgtggagca cgctgctgct acctggtcac gctctcagca gtgtgaattc 120

ccagaagcat gcttgccgtg ccttcttccg ggtgcaccgg aggctggcat gtgagcaggg 180

atgcttcagt gatgcagaag aaaaaaggca agtcttatcg gcagggaagg ctacgccttt 240

cttccaggtc tccctctctc catctaaatc tgtgtttgga ggaggggget acggttagtt 300

tacccaccgg tttactgcgt ccttgtgagt ttgtgatcat tatc 344

<210> 7773
<211> 305
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
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<400> 7773

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cccggaggtg gacccggcgg cggcggcgcg cgacgcgagg gagctgtacc gcgccggcga 240

gaagcggctc ggcaccgacg agcgcgcctt catncgcgtc ttcaccgagc gcagctgggc 300

gcacc 305

<210> 7774
<211> 377

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025g06b1

<400> 7774

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ctgtaatcgc cgttccaaaa gagagcagtt tagaaaggtt gtcggtggcc caagctctga 360

tcttcagcct gcatcta 377

<210> 7775
<211> 329
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025g07b1

<400> 7775

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gcgtcgccgc gccgcccggt gcccgtgccg tccagtgcgc gcagtgctgc tgcgtgaccc 180

gcgtcggcgg ggctggccga cagctcagtg tgatgcgccc catcccgaac ttcggcggtg 240

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agctgagggg ccccataacg acgtcaagt 329

<210> 7776
<211> 338
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189025g08b1

<400> 7776

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catcccgacc tacgactgcg aggaggacgt gccgcaccag cagaggcggc agagggccaa 180

ggtccagatc accaaggcgg cgtcggacga ggtggtgaac ctgacggtga tggtgatggt 240

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agcaggtcag cgtcatgtcc gtcgacgccg acacctac 338

<210> 7777
<211> 279
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025g09b1

<400> 7777

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gtaaattgga taataatggc aatggcaaca gcaatggaag tggcactggc agtagcagag 180

ctggggaagg ggtgggtgga gacagtctct agcacattgg cagtgccaag caacaggaat 240

tttgtgcttg atgttactgg gaggggtgac atttgagac 279

<210> 7778
<211> 354
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025g10b1

<400> 7778

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gccaggaacc cctttggcca ggtgccagct ttgcaggatg gtgacttgta cgtcttcgaa 240

tcacgtgcta tttgcaagta tgcgtgccgc aagaacaagc cagagctgtt gaaggagggc 300

gacataagga gtcagaatgt ggatgtgtgg tcgaggtgga ggccatcagt acac 354

<210> 7779
<211> 407
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025g11b1

<400> 7779

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cgttcatgta cgcatccagc agcgtaatgg tcgcaagagc ctgaccactg tccagggtct 180

gaagaaggag ttcagctaca gcaagatcct caaagacctc aagaaagagt tttgctgcaa 240

tggtaccagt tgtccaggac acagaacttg gacaggtcat tcaactccag ggtgatcaga 300

ggaagaacgt ctcaaacttc cttgtccagg ccggcattgt gaagaaggaa cacatcaaga 360

ttcatggttt ctgagcaact gccagctcca tatcagagtc tacatgc 407

<210> 7780
<211> 515
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025g12b1

<400> 7780

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ggcatcgacc tcggcaccac ctactcgtgc gtcggcgtgt ggcagcacga ccgcgtcgag 180

atcatcgcca acgaccaggg caaccgcacc acgccctcgt acgtcgcctt caccgactcg 240

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aagatgtggc ccgacaaggt tattcctggc cctgcagaca agcctatgat tgtagtgcag 420

tcaagggtga ggacaagcag ttttcagctg aagaaatttc tccatggtcc tcataagatg 480

cgtgagatcg ctgaggctta cctaggagta actat 515

<210> 7781

<211> 224
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025h01b1

<400> 7781

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ccagccccag atccgaaccc ccgcggcgcc ccgccattgt cgccgtcccc gacctttccc 120

cggcagggaa tggtgcactg tgggcggcgg taggcagaca cgagcacgac cgcgggggca 180

agaagcggcg gcggcgagat ggccggcgcg gagagggaga ggag 224

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<211> 299
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025h02b1

<400> 7782

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tgagaccaag agtcccactg gaggcatgct tagcaagttt ttcaggcgga gaggaagtgc 180

ctgattttta cagcactgca ttaaattcaa aaacaacagc aattaagact gctggcttta 240

aaacttttcc tgattacctg gtgcttcaga tgcgtaagtt tgtaatggaa gcaggatgg 299

<210> 7783
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<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189025h04b1

<400> 7783

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catcggcatc gacctcggca ccacctactc gtgcgtcggc gtgtggcagc acgaccgcgt 180

cgagatcatc gccaacgacc agggcaaccg caccacgccc tcgtacgtcg ccttcaccga 240

ctcggagcgc ctcatcggcg atgccgccaa gaaccaggtc gccatgaacc ccataacacc 300

gtcttcgatg cgnagcgtct tatt 324

<210> 7784
<211> 377
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025h05b1

<400> 7784

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tgggcggcct cgcctgggcc accgacgacc acaacctcca gcaggccttc agccagtacg 180

gcgagatcct cgacgccaag atcatcaacg accgcgagac gggcaggtcc cgtggcttcg 240

gcttcgtcac gttcggcagc gaggagtcga tgcgccaggc catcgaggag atgaacggca 300

aggagctcga cgggcgcaac atcaccgtca acgaggccca gtcccgccgg tccggcggtg 360

ggggcggcgg cggcggc 377

<210> 7785
<211> 349
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025h06b1

<400> 7785

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aattgatcgg cataggcatt gcacagagca tccgataaaa tttatatcag tgaggcaacc 180

aaatgtcgtc aaatttaaga taaaaccagg gtcagattct ggtgcttccg acagccgagg 240

aaaaagaatc tcttccttgt ttcacccatt tttcccgctt gcactgtcga ttcagcagac 300

aaatatgcag ccaactgttg tcaatgtaca tttcaggaga tagaaatat 349

<210> 7786
<211> 317

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025h07b1

<400> 7786

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ccggccctgt ggcagaagat atgttccact ggcaagcaac gatcatgggc ccatcggaaa 180

gcccatatgc tggtggtgta tttttggtta ctattcactt ccccccagac tacccattca 240

aaccaccgaa ggttgcattt aaaacaaagg ttttccaccc aaatatcaac agcaatggga 300

gcatctgcct tgatatc 317

<210> 7787
<211> 271
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025h09b1

<400> 7787

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gcaaggtgct cgtctcctac tgctacgtcg cggtgtggat cttcctctcc ttcaccgtca 180

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tcaccatggt gcacatggcc ttctgctcct c 271

<210> 7788
<211> 368
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
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<400> 7788

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cctaagaaca acggcatccc gtggcgcggg aactcgggca tgaaggacgg cgcggacctg 180

ccggacgtga agggcgggct cgtcggcggg tactacgacg ccggcgacaa catcaagttc 240

cacttcccga tggccttctc catgacgctg ctgagctggt cggtggtggg agtacgccga 300

caggtacaag gcgatcgngg agtacgacca cgtgagggag ctcatcaagt ggggaaccga 360

ctacctgc 368

<210> 7789
<211> 304
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189025h11b1

<400> 7789

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tctgtccggg gttaattaga gctggttacg cgaggaagaa acaacatgtg ttatctttca 180

gtcttggtcg gtcggtcgtc ggtgatgcag caatcccttc tgtcatggat tgggatgtga 240

tgttggaata tcctatgttt gaactcggtt taaatggaag aaaatgcaag tcgtcatagc 300

tgcg 304

<210> 7790
<211> 407
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
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<400> 7790

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ggatccacat aaagctacaa tgtcatatgg atctgaaaat gaagaggatc cacataaagc 120

tacaatgtca tatggatccg aacatgaaga ggatccacat aaagctacaa tgtcatatgt 180

attagaacat gaagaggatc cacataaagc tacaatgtca tacgggtcag aacatgaaga 240

ggatccacat aaagccacca tgttatatga gtcaggacat gaaatggatc taaagacatt 300

tttaacagga catgcgacac atttaaaagg aatgnggagt caccatgctc actctcacaa 360

gcacgggaac aaaaagcagc aagacgtttt cttcttcacg acatgtt 407

<210> 7791
<211> 372
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026a01b1

<400> 7791

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ccccggctcg ccggacctgc ccttcgccga cctcattgcg tcgctgtcgg agccgctgcc 180

tgaggtggcg agccagagcg cgttccggga gtaccgcggc gtcgggctgg agcttccggg 240

gacggcgcgg ggagggacgg ggaacgggat caacatccac cggaggatga tgggcgtgct 300

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gcagcagcag gc 372

<210> 7792
<211> 312
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026a04b1

<400> 7792

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atctcaagat tagaaggaaa tcccctatgt tcaaaagtca atgatacata ctgttcaaat 180

aagaaaaaga acaccacatc tactgtgctc atcgccgtga tagttcctgt ggtactgata 240

tccctcctag tagttatgtg cataatctgg aagttatgct ggaaaggaga gccaagagtc 300

catgaagatt at 312

<210> 7793
<211> 334
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026a05b1

<400> 7793

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aagagctcga gctcgagctc gacctcctgt cccttccggc agtaggggga aagcagaaaa 120

tggacgcggc aggtacctcc aagagaggtc gtcgtcctcc taccaagcca cagaagctca 180

agttcaagcc gaaagtgccg tcgcgcaagc caaagaaacc acctgcacaa aagccacaac 240

tggaagagac ataaccaatt gatgaagagt taatgaagac actgaggacg ggacgaggag 300

atgcaaaaac tttgcgagtt ataaaagatg agca 334

<210> 7794
<211> 143
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026a06b1

<400> 7794

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tcaccggcaa gatcatcacc ttggaggttg agtcattcga caccattgac aacgtgaagg 120

caaagatcca ggacaaggag ggc 143

<210> 7795
<211> 230
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026a08b1

<400> 7795

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atcagctcgt ccacaagatc gtgtctggtg gctttgactg tgtcgtcaag gtgtgggagt 180

ttgtcaatgg tggctggaag ctggagagcg ctctggtctc cgacatgcac 230

<210> 7796
<211> 333

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026a09b1

<400> 7796

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tccgccctcc ccgccgccaa gccccgccgc ttctcccatg gcctcgccgc cgtcgccgcg 180

aaccctaggg cctcccgctc cgccgtcctc cgccccgtcc gcgcgtgcct ggcggcgccg 240

cggcggcccg gagtacgtcc cggaccgaat cgacgacccc aactacgttc gcatcttcga 300

caccacgctc cgcgacgggg agcagtcccc ggg 333

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<211> 197
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026a11b1

<400> 7797

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tcgggctcta cacgcgcacc ctcaaggaga tcgaggccgt ccccaaggac gagggctacc 120

gcaaggccgt cgagtccttc acccgccacc gcctccagat ctgccaggag gaggaggact 180

ggaagcgcat cgaggac 197

<210> 7798
<211> 191
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026a12b1

<400> 7798

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caaattggat ccgtcactga gagtatcgag gctgtgaaga tgtcaaaaca tgctggctgg 180

ggtgtcatga c 191

<210> 7799
<211> 321
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026b01b1

<400> 7799

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acggtcagct ccgccacgct caccaacctc accgtggccc ccgacaacgc caccgtctcc 120

taccgcctca ccgtcgggct cgagctctac aaccccagcc tccgcgtccc catctactac 180

gacgccctcg acgccgagct ccgcgccagc ggcggggcct tcctcggcgg ccccgctgcc 240

cgcgtcgcct cgtcgccggc ggagttcctg cagcgcaaga agagcgccga cacggtcagg 300

ctgggagttc gacgggagca g 321

<210> 7800
<211> 194
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026b02b1

<400> 7800

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ccaccccgcc ggcgaagatg ttcggccgcg cccccaagaa gagcgacaac accaagtact 180

acgaggtgct cggg 194

<210> 7801
<211> 115
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026b03b1

<400> 7801

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ccctcgtaaa tgaatttgac caaatcaaat cgatctccgc tttcaaaaat gttca 115

<210> 7802
<211> 205
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026b04b1

<400> 7802

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ctctccccgg tttttcccca aatccgacgg actcgaggcc aagcggaggc ggagatggcg 120

ctgcggtggg cgctgctcag atcggcggag atctctcccg gtcgcaaggc tgcacttgag 180

tacttgcatt ctctatcaaa ggcac 205

<210> 7803
<211> 201
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026b05b1

<400> 7803

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tgcgggaaga tgtaccctga tctgacggag cagggcagcg ccgccgccga ggtcgccgcc 180

gtggtcgtcc tcggcgtggc g 201

<210> 7804
<211> 359
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026b06b1

<400> 7804

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tgtgaatctc cagaagcatg cttgccgtgc cttcttccgg gtgcaccgga ggctggcatg 120

tgagcagggg tgcttcagtg acgcagaaga aaaaaggcaa gtcttatcgg caagggaagg 180

ctacgccttt cttccaggtc tccctctctc catctaaatc tgtgtttgga ggagggggct 240

acggttagtt cacccaccgg tttactgtgt ccttgggagt tgtgatcatt atcatgcact 300

cgtcagttgc ttgacatgta tggtgtccgt tcttgaattt tcagctacat ataatggtc 359

<210> 7805
<211> 290
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026b07b1

<400> 7805

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catgcgtcgg cggctgggcc tggttcaagg tggcgacgcg gctcagggac gccgggcacc 180

gcgtcagtgc gcctgacctc gcggcgtcgg gcgtggaccc caggccgctg cgcgaggtgt 240

ccgacgttcc gcgactacac caagccgctg ctggacctcc tggagtgcct 290

<210> 7806
<211> 347
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026b09b1

<400> 7806

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gggctattcg gctggcggtc gacggggaag gaagacgcgc gcatactcca aggtccggga 240

cgtggcgagt gacacgtcgt cttcagggag cgcaaggggt agcccgtgcg ccgagcccgc 300

ttgagctcga cccaccgctg gccggtgccg gcgccgggtg gtgagac 347

<210> 7807
<211> 290
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026b10b1

<400> 7807

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cgctgggcgc gtggacgccg taccgggcgc cggagcggcg ctgaagcgcc cgtctgcgcg 240

tgcaatgtag agcacgcacg tgtaaaccgt gtggctgtgc gagagcctac 290

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<211> 310
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026b11b1

<400> 7808

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acgagataaa agatagaaaa gatatgctta aaaccctgag tgcactagag gtcctctatg 180

agcttgcgga gcaccctcac agcaatatgt tcttgttaaa gaccagtttg cttcaacaca 240

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tcagtgggag 310

<210> 7809
<211> 270
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026b12b1

<400> 7809

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aagattcagg attttcaaat tcttaccact gacgaagttg aagaggttat ggtattcatt 180

cctttgtata tttctgaaga gatgttcttg gtcattcttt agcttgacca ggagatcaaa 240

atagtgagat gacatactag caccaccagc 270

<210> 7810
<211> 353
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026c01b1

<400> 7810

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agcaagtcag atcagacaga tccgccgcaa gatggttgag atcatggtca accaagctgc 180

aagctgtgac ttaaaggagc ttgtgaacaa gttcatccct gaggtgattg gaaaggagat 240

tgagaaggcc acctcaggca tcttcccccc cagaacgtgt acgtccgcaa ggtgaagatc 300

ctgaaggccc ccaagttcga cctgtggaag ctattggagg ttcacggtga cta 353

<210> 7811
<211> 345
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026c03b1

<400> 7811

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cacctcgaag ctcccctcgc tgccgcggtt cggccccaag ccacggtcca aggtgctgga 180

gatcgtgctc ccgatcgcca ccgcggcctt cgtcctcgcg ctggccatcg ccttcttatg 240

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gggccgcacc gcttcgcgta caaggagctg tacgactgca tgccc 345

<210> 7812
<211> 248
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026c04b1

<400> 7812

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gctacttctt ctcctcgctc gccggcaagg acgcctcctc ccatcgccgc atcgccatcg 180

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gcgccccg 248

<210> 7813
<211> 285
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026c05b1

<400> 7813

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gcgctagagt cgagcattgc agcacagaca ctggagctga atagc 285

<210> 7814
<211> 293
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026c06b1

<400> 7814

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gagggcgccc acgacctggg ccaacacgga cgccggcctg ccgaccacgt ggtctacacc 180

gacggctccg tggcgcgcgt ggccctgctg cggcttaacc cgggccggct acggcccctc 240

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<210> 7815
<211> 338

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026c07b1

<400> 7815

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tctggactag cacacctaag agaatagaga attttcaaga ggttgccaag atgctgaaag 180

tagaccaaag taaaaaatta tcccttgatg tgaaaacacg atggaactct acgtacttta 240

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cctttacttg tgctcctagt gatgatgatt tgatattt 338

<210> 7816
<211> 352
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026c08b1

<400> 7816

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tgtcagtggt tcctatgaca gtggagaagg ttttgaaaaa ctgaacaagg aaatatcaga 180

ttatgagatg tcaaacaact caggaagctc ccgtaggctc ttttatttgg cattgcctcc 240

atctgtctac ccttcagtgt gcaaaatgat ccgaacatat tgcatgagtc caacttctcg 300

cgctggatgg actagagtaa ttgttgagaa gccctttgga agggacctgg ac 352

<210> 7817
<211> 289
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026c09b1

<400> 7817

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ccgacgccag caagtaccgc aagatgaagg agaggctcgt cggtgtctcc gaggagacca 120

ccaccggcgt caagaggctc taccagatgc aggagtccgg caccctcctc ttccccgcca 180

tcaacgtcaa cgactccgtc accaagagca agtttgacaa cctttacggt tgccgtcact 240

cgctccctga tggtcttatg agggccactg atgttatgat cgccggcaa 289

<210> 7818
<211> 175
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026c10b1

<400> 7818

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gcaccgaaga aggagaaggc cccggcggcg tcgtccaagc cggccaagtc cggcggcggc 120

aagcataaga agaagaagtt ggagcaaggg caagcataag gagaaggtga acaac 175

<210> 7819
<211> 241
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026c11b1

<400> 7819

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gtgcgggctc cgtcttcaag tcccacaccc accaccgcaa gggccccgcc cgcttcaggt 120

cgctcgactt cggcgagcgc aacgggtacc tcaagggcgt cgtcaccgat gtcatccacg 180

acccggggcg tggtgcgccg ctggccaagg tgaccttccg ccacccgttc aggtacaagc 240

a 241

<210> 7820
<211> 205
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026c12b1

<400> 7820

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gggcgaggac atatccgagg aggag 205

<210> 7821
<211> 369
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026d01b1

<400> 7821

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cgctccgtcg acatgatcga gaagctgctg cgcgccggca tgtgcgtcgc ccgcttcaac 120

ttctcccacg gctcccacga ctaccaccag gagacgctcg acaacctgca cgccgccatg 180

gaccgcaccg ggatcctctg cgccgtcatg ctcgacacca agggtccaga gatccgtact 240

ggatttttga aagatgggaa gcctatccag ttgaggaagg gccaagaaat tggtgatctc 300

cacagattat agcataaagg gggacggcca gatgatatcg atgagctata agagctagca 360

gttgatctg 369

<210> 7822
<211> 335
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026d02b1

<400> 7822

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tggggccgcc tcctcgtgtg gcctcaaggc tgccgctcct tccggattcg cgaccaggaa 180

gcagctctcc ctcgtttcgc ccccgttggt ctcgctgccc cagagggcca ggccagggag 240

aaagtgcagt ttccgagtga acgctgcaaa ggagctgtat ttcaacaagg atgggtcggc 300

tatcaagaag ctgcaaactg gagtcaataa gcttg 335

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<211> 243
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026d04b1

<400> 7823

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gagcgccggg tgcccaagat cggcacgcct cctcccgacc agaagcagct gcggagggag 180

atcgagctgc agtcgcggct cgagtccgcg cacgaggacc tcaagaaggc caaggaccag 240

ctc 243

<210> 7824
<211> 205
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026d05b1

<400> 7824

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ccttcgttct gcttgcggtt ggacagtgta gcaatgcagt cccgacggag gctgaagtgt 120

actggcgcac cgtcctgccc gattctccgc tcccggaccc catcctcaag ctcctccatc 180

ctgagaccag ctctgtgaag aaacc 205

<210> 7825
<211> 205
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026d06b1

<400> 7825

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ccatggagaa gcaaggtgtc gacatgcgtg tgtctgcgtt gatcaatgac accgtaggga 120

cactggctac gggcagctat aacgatgaag atgttgtcat cggcgtgata ttaggtaccg 180

gctcaaatgc cgcatatgta gaaaa 205

<210> 7826
<211> 312
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026d07b1

<400> 7826

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cagagacaca gcccaaaaag gtctgctccc aggttggtct gtgcaccttt gatgggactc 180

gtggtgttag tgctggaatt cggagcgtgg tcgatgatga gcctgtgaaa tcgaatggcc 240

ttcataccga tcccatgtgc agtgcctgtg agatggctgt tgtgtggatg cagaaccaac 300

ttgcacagaa ca 312

<210> 7827
<211> 262
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026d08b1

<400> 7827

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tgtatacgac gagcatcttt gttgctggcg cggctggcgg tgtgctgctg gcgttcacga 120

tgcacacgac agtggcctac aagatcaacc agagcgaccc gaacgtcgtg ctcgtgatcc 180

tcgcaattgt gctcggcctg ctgtgcggcg tgctcgcact gaagctcgag aagcccgtgc 240

tggtcatcgc cacgagcttg gt 262

<210> 7828
<211> 227
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026d09b1

<400> 7828

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agacagatcc tccatcaatc cctgtggatg agcttttccc ttcaggagat tttcctgagg 120

gagaaatcca ggaatataag gatgataatt tatggagaac aactagtgaa gaaaagaggg 180

aacaggaacg actacaaaaa ccaatgtaca attctgttcg ccgagct 227

<210> 7829
<211> 305
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026d10b1

<400> 7829

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gccgccgcag ccgccatgtc agggaggaag aagacccgcg agcccaagga ggagaacgtg 120

acgctcggcc ccgccgtccg cgagggggag cacgtcttcg gcgtcgcgca catcttcgcc 180

tccttcaacg acaccttcat ccatgtcacg gatctgtccg ggagggagac gctcgtccgc 240

atcaccggtg gcatgaaggt caaagctgga tcgtgatgaa tcatcccctt atgcagctat 300

gcttg 305

<210> 7830
<211> 172
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026d11b1

<400> 7830

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ttacatcata gaagttgtac aagttatgca gttgcaattt ttggcaacaa catggcagct 120

ctgaaagaat tttccatccc acaaaacatc gattcttaag aaaatacaat tg 172

<210> 7831
<211> 186
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026d12b1

<400> 7831

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ggacttcctt gacaaagata agcctttctt ccctccaaca atcaacaatc ccgagcttca 120

cgatttcttt gcgaaggtgg gcagtgagat ggttggcccc aacaacgtga gagagaagca 180

gccact 186

<210> 7832
<211> 224
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026e01b1

<400> 7832

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gcgacaatgg caccggaatg gtcaaggcgg ggttcgccgg cgacgacgcg ccgagggccg 180

tgttccccag cattgtgggc aggccgcggc acacgggggt gatg 224

<210> 7833
<211> 197
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026e04b1

<400> 7833

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tcgcctcctc gtcctccccc tcctagggga tcgccggaga ggaatcgcga cgagggcttc 120

ctcctatcag ttaaatcaaa gccatggagc acaaggagac cggctgccag tctcgggagg 180

gccccatcct ttgcgtc 197

<210> 7834
<211> 201
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026e05b1

<400> 7834

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tgttccatgc tgtgcctcat catggcttct ttcttcttta gcatcgctgc atcatttggg 120

ccactaaagc ccttcttgcc cttgtgattg tgagcaagtt cttgatgctt cccagatccc 180

aaatggccat acaactcaca c 201

<210> 7835
<211> 206
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026e06b1

<400> 7835

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tggcgatcga caatcaccat gcgataccga ggacagagta tagcagctgg agcagtcctg 120

gaaacatgcc cggaagtggc catgacattg ctagcgaaga agccaagcca taagcagcct 180

gatatatgca tgcctttgta cgtaga 206

<210> 7836
<211> 260
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026e07b1

<400> 7836

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gaagaacgaa cacatggaag aggatatgtt ctgccatgag tttcaccttg ctgatctgag 180

ggtcatggac aactgcctca aggtaaccac tggggttgac catgttttca atctcgcagc 240

tgatatggga ggggatgggc 260

<210> 7837
<211> 181
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026e08b1

<400> 7837

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aaatagagga gtggcctgtt caccggagca agcgaggaag atagctcagc ccgaccacca 180

a 181

<210> 7838
<211> 175
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026e09b1

<400> 7838

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ttacggcgct tgcggtgcac ctccgggcag cacggacgac gtcgtcccgc tcacc 175

<210> 7839
<211> 198
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026e10b1

<400> 7839

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cctcctctcc tccatcctcg gccggaaccc gctcgtggtc gaccacgtcg acgaggagtc 180

cttcccggtc gaccacgc 198

<210> 7840
<211> 183
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026e11b1

<400> 7840

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gctctttcgt cctgctcctc aagatgcaga tctttgtgaa gaccctcacc ggcaagacca 120

tcaccctcga ggttgagtcc tcggacacca tcgacaacgt caaggctaag atccaggaca 180

agg 183

<210> 7841
<211> 191
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026e12b1

<400> 7841

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caatttcaag cacaagctcg gcgaaggcgg ctacggcgca gtgttcctgg gcactctggg 120

tgatcggcgg gcggtcgctg tcaagttcct gcaccactcc aggcccaacg gcgaggattt 180

cctcaacgag g 191

<210> 7842
<211> 258
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026f01b1

<400> 7842

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tcaactcgcg caaatctcct cacctggtga cgagcatcca ccaagtcggc aggctcttca 180

gcacatttta tattgatcat ggcggttaga tatattgata ttttattccc tcccttcaat 240

gtaccatagc taacctgt 258

<210> 7843
<211> 276
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026f02b1

<400> 7843

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gctcgtcgaa tcctccttcc ccaccgcctc aagatgcaga tctttgtgaa gacactgacg 120

ggcaagacca tcacccttga ggtggagtcg tctgacacca tcgacaatgt caaggccaag 180

atccaggaca aggagggcat tcctccagac cagcagcgtc tcatcttcgc tgggaagcag 240

ctggaggatg gccgtaccct cgctgactac aacatc 276

<210> 7844
<211> 248
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026f04b1

<400> 7844

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ccaggtcggg aacgcgtgct gggagctcta ttgcctcgag catggcattc agcctgatgg 120

ccagatgccc ggtgacaaga ccgttggggg aggtgatgat gctttcaaca ccttcttcag 180

cgagactggt gctgggaagc acgtcccccg tgctgtcttc gtagatctcg agcccactgt 240

gattgatg 248

<210> 7845
<211> 197
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026f05b1

<400> 7845

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cctgtatata gtagtggtag gtttagtgtt tggtttcccc ctgtgggtgt ctggccatgt 180

gccgtatcgg agcgtgc 197

<210> 7846
<211> 287

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026f06b1

<400> 7846

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ggcgtctggc gctatgccga ggtggagcgt accgccgccg cgttcgagca gcggccggtg 120

gttagcggtg gctgcagtcc tggctgcgct ggtgtgccag ttgcttgtga ggagtgggtt 180

gccggcgact ccacgaataa agctcgtttg gtccgttgat ctggaggagg tccttatttt 240

cctctgcttc caaggttacc atggtggtga aggaggaaga gaggaaa 287

<210> 7847
<211> 222
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026f07b1

<400> 7847

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gatgtaccct gatctgacgg agcagggcag cgccgccgcc gaggtcgccg ccgtggtcgt 180

cctcggcgtg gcgcctgaga acaaggcggg acagttcgag gt 222

<210> 7848
<211> 218
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026f09b1

<400> 7848

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ggccccggtc gtcgcatggg acgaggacga gctcccat 218

<210> 7849
<211> 341
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026f10b1

<400> 7849

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atggtgactt gtacgtcttc gaatcacgtg ctatttgcaa gtatgcgtgc cgcaagagca 180

agccagagct gttgaaggag ggcgacatca aggagtcagc tatggtggat gtgtggctcg 240

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atcctatgct tgggggagcc actgaccaga cggtcatcga t 341

<210> 7850
<211> 287
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026f11b1

<400> 7850

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gcaagagagg aaaaagaaat cgaagaggca gagatgggaa gaaggagaag cccggctctg 120

ccgctgctgc tgatctttgg cgtcctcgcc gtcgtcctcg cggctcttcc tcccctcgcc 180

gaatccagca gcagccacca ccaccaccac ggccatggcc accactcccg cgtccaaagc 240

agagggcacg gaggagaggg agagcagtcg tcctcggctg cggcggc 287

<210> 7851
<211> 325
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026f12b1

<400> 7851

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agcacaagga gaccggctgc cagtctcggg agggccccat cctttgcgtc aataattgtg 180

gcttcttcgg cagcgcggcg accatgaaca tgtgctccaa gtgccacaag gagatggcga 240

tgaagcatga gcaggcaaag ctggccgcct cctctttcga cagcatcgtc aacggtggcg 300

atgccgcgaa agaacatctt gctgc 325

<210> 7852
<211> 318
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026g01b1

<400> 7852

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gctggatctt attaacatgg gtatcatgat ttacctgatc ttgaaagtgg gccaagcttt 180

ggctatgagt tgcctagcac aaatggaata aacaaaaata agcagtctca ttcgttgaca 240

aaaaggaaac gctccaatat tggtcaagct tatgaaaatt caagaaagaa agataagcga 300

ctttctttgt caaagtta 318

<210> 7853
<211> 228
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026g02b1

<400> 7853

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gccaactagt aggattgctc tttgagaaga ccttgcgttg ctattctc 228

<210> 7854
<211> 232
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026g03b1

<400> 7854

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aggagcacag gccgatgttc aggagagtca aggacaggat gaggaagatg aagaacacca 180

tcgccggcca cggccacgat cacgatcacg atcacgagca ggacaccggt gg 232

<210> 7855
<211> 362
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189026g05b1

<400> 7855

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gctagtgagt tagtgaggat caatggcatc ccagctggag tcactcatga agcgactgtg 120

gagctatctt ccccttctc ttagcagttc caggagcgac cctccacaac cgattcctga 180

tcccaccggt gatcctccag ccgctcaagc cggggacact cccgccggtc aggagctttc 240

acccgctctt caaggtgtaa actcaggact cagctactta tctactctca gcacacacgc 300

atacgttaca cacctntttt tgctaatgat atcccccgaa cgctgtgata ataatctatg 360

gc 362

<210> 7856
<211> 231
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026g06b1

<400> 7856

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agaatgtgct tatctttgac cttggtggtg gcacttttga tgtctctctc cttaccattg 120

aggagggtat ttttgaggtg aaggccacgg ctggtgacac tcaccttggt ggggaggact 180

ttgacaaccg tatggtgaac cactttgtcc aagagtttaa gaggaagcac a 231

<210> 7857
<211> 265
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026g07b1

<400> 7857

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gagtacccca ttgtgtcgat tgaggacccg tttgaccagg atgactgggt gcactatgct 120

aagatgactg aagaatgtgg agtggaagtt cagattgttg gtgatgacct tctagtcacc 180

aacccaacta gagttgcaaa ggcaatccag gagaagtcat gcaatgctct tctgctcaag 240

gttaaccaaa ttggatccgt cactg 265

<210> 7858
<211> 219
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026g08b1

<400> 7858

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acaaactgca ggcccctgct tgctagctag tgatttccct tcccttgtag cttccctccc 120

gtgttcagaa atgggtcaag aacaaaagca aaaaaaaaaa gatcatgtgt aatctatgat 180

gagatggtaa tcaggtccaa cgctagacct tttctcaaa 219

<210> 7859
<211> 254
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026g10b1

<400> 7859

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ctagccgccg ccgccgacca ccgcgagcaa gctcagatgg gaggcaagtg cccacaccgc 120

aaggtgaaga agcgccgtct caactgcaag caggtgcgcc gcggcaagtt cctcgtcaaa 180

gccgacgacg ccgtctacga cgagctcgtc aagctggccg accagggcaa ggattccgag 240

ggcaaggcgc tacc 254

<210> 7860
<211> 310
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026g11b1

<400> 7860

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tcttagcagc atccttcccg tctacaagga ggttattgct gagttgaagg cagctggcgc 180

ttcatggatt cagtttgatg agcccaccct tgttaaggac cttgaatccc accaattgtc 240

tgcattctct gcagcttacg cagaacttga gtccgcactt tctggattga acgttcttgt 300

tgagacctac 310

<210> 7861
<211> 160
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026g12b1

<400> 7861

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tgcgctgctg gactttgccg ggagcctcaa tggtcgggat 160

<210> 7862
<211> 251
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026h01b1

<400> 7862

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gtgtatacgc cgcagcgatc gagacctaag ctgtaatgag ttacccagaa cagggtctat 180

gagtaaattt tccatatgcc cagcccatac cctactctga tcagcaggag ctcaaacacc 240

atgtgcagga t 251

<210> 7863
<211> 326
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189026h02b1

<400> 7863

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cctgcgcgag ggttcgaact tggctaagaa ctgggatttg agcagacaaa ttggtgatga 120

gcacggtgtt cttatagaat gcagggatgt gcacaagtcc tttggggaca agcatgtact 180

gcanggcgtc agcttcaaga ttagacatgg tgaagctgtt ggaataatcg gtccttcggg 240

aactggcaaa tcaactattt tgaaggttat ggcgggcctt ctagcccctg atagggcgag 300

ggtgttcatc tgcggaaaga aaagac 326

<210> 7864
<211> 305
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026h03b1

<400> 7864

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gattgccatg aaccacactg atttcatcat taccagcaca ttccaggaaa tcgctggaag 120

caaggatagc gtgggccaat atgagtctca cattgctttc acccttcctg atctgtaccg 180

ggttgtccat gggattgatg tgtttgatcc taagttcaac atcgtctctc ctggagcaga 240

catgactgtc tacttcccat acaccgagac tgacaagagg ctcactgcct tccactctga 300

aattg 305

<210> 7865
<211> 345
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026h04b1

<400> 7865

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gggttcatcg gcgaccaggt ggagtcgatc cgctcgatgc aggtccgcca ggtgctcgcg 180

cagatcatca gcctcggtat gattgttacg tcggcattga tcatatggaa ggggttgatt 240

ggttgcgact gggagttgag tccccggtgg tccgtggttc tttctggtag catggagcct 300

ggattaaaag gggtgatatc ctgtttttgc gcatgagcaa agaac 345

<210> 7866
<211> 265
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026h05b1

<400> 7866

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tcctggacgt ccgccagctt gacctgcgtc tgctgatgga cgaagacatg caaggcgctg 180

ccggcggcgc acgctcggcg gaccaagagc actgccgtag cagcacccgc agcagccgtt 240

cgcggagatc gccgaccagg ccgtc 265

<210> 7867
<211> 292
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026h06b1

<400> 7867

tttttaggtt cggcgacctc agccccaggg aggtcatcca gcagttcacc gggctcaaca 60

ccaccagctt gaatgccacg tcacccacct acctccccta ccactccttc aagccctgct 120

gcgttgactg gcgctccagt ggcgctgtca ccggcgtcaa gaatcaaggc acttgtggat 180

cgtgctgggc attcgcggcg gtggcggcca tcgaaggcat gaacaagatt aggacaggtg 240

agctggtgtc gctgtccgag caggaactcg tggactgcga caccgggagc ag 292

<210> 7868
<211> 296
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026h08b1

<400> 7868

ataatcatcc tcgacaccaa agctcatctt cttctccttg aaatcttttt gggttcatca 60

gatttggagg atgtcttgca actgtggatc cggttgcagc tgcggctcag actgcaagtg 120

cgggaaggtg taccctgatc tgacggagca gggcagtgcc gccgcccagg tcgccgtcgt 180

ggacgtcctc ggcgtggcgc ctgagaacaa ggcaggtcag ttcgaggtgg ccgccggcca 240

gtccggcgag ggctgcatct gcggcgacaa ctgcaagtgc aacccctgca actgtt 296

<210> 7869
<211> 284
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026h09b1

<400> 7869

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cctcgcagct cgctctccgg ccatggcctt ccagtccccc gtcggctccc ccttcgactg 120

cctcctcata gacctcgacg acacgctgta cccgggcaac accggcattg gccccgccct 180

gaggcgcaac atcgacgagt tcctcgtggc ccggttcggc ctcgccgccg acaaggccga 240

cgcgctccgc gccgacctct tccgctccca cggcagcacc ctcg 284

<210> 7870
<211> 364
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026h10b1

<400> 7870

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atggactttg gtgccacaga ggttgatccc aatatcgcaa ggtggctgta cccaaggctt 120

ggttatatgc cttacaatgc ccagtctgag gaattcggca ttgctggatt gaagagggcc 180

cttgaagcat tgaacacaca cctggcatca aacacattcc ttgttgggca ttctgtcact 240

ctggctgata ttgtcatgac atgcaacctc taccatggtt ttgctcggat cttgaccaag 300

actttcacat ctgagtttcc tcatgttgag aggtacttct ggatcatggt taaccagcct 360

aact 364

<210> 7871
<211> 293
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026h11b1

<400> 7871

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tgctggcttc tctgcggatt cgctggccca aaggatcgtt gattgcaagc ctaagcttgt 120

gctcacttgc aatgccgtga aaaggggcc caagcccatt cttctcaaag atatagtgga 180

tgctgctctg gtggaaagtg agaagaatgg attctctgta ggtatttgtt tgacatatga 240

aaaccagtct gtaatgaaga ggcaagacac aaaatggcaa gtgggaagaa gat 293

<210> 7872
<211> 348
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189026h12b1

<400> 7872

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gtcttcgaga tcgaagactg gatcgatcaa aggccggaga ccaacattct gttggacaca 120

gaagaaatca aatacttcat gtctgagatc aagggagcgc gtgagcgctt caaatggtac 180

cgaagtcttc tcaagataga gtccagtgag accgatcttg ctgttgttgc acccagcaaa 240

atcaccattg accctcgtct gcttagcgag gagaaatatt gtcatggtat tcttgatggt 300

ccaagggatg agcttgtcaa gcatctgaca gatcagacgg aggagatg 348

<210> 7873
<211> 164
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027a01b1

<400> 7873

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cctcgtcagc tcccgagttc ttcctgagcg aagcaagcca aggcaagcta ggtagcagat 120

ccaagaagga gaagcgatgt cggacgtgac ggcggtgatg gatc 164

<210> 7874
<211> 320
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027a02b1

<400> 7874

tgattgaaaa cactcgacga tctggctctg tctcaggtat atgctccctc gcccgcaaga 60

tccgctctct cccatctacg catcgcaaca gcacttcagc tcctcttgtg gattctcacc 120

agatcaggcc acctcactca ccttcagtct gtcgtgatgg acaaagttaa gatcccaaca 180

aaaagtgctt cttgatgcta tgatgcagca acttaacctt ccaaattaca gtttactaaa 240

cagacctggc cggcagatcc ctcagctatc agggaaggca gacatcagcg gagattgagg 300

gcgcctctcc ggcgagagtg 320

<210> 7875
<211> 285
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027a03b1

<400> 7875

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gtaagggtgc gggctccgtc ttcaagtccc acacccacca ccgcaagggc cccgcccgct 120

tcaggtcgct cgacttcggc gagcgcaacg ggtacctcaa gggcgtcgtc accgatgtca 180

tccacgaccc ggggcgtggt gcgccgctgg ccaaggtgac cttccgtcac ccgttcaggt 240

acaagcacca gaaggagctc ttcgtcgccg cgagggtatg tacac 285

<210> 7876
<211> 317
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027a04b1

<400> 7876

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cacccggggg agaacgcccg ccgccgcgac ccgcgccgcg tcccatactc ctgcgtcccc 180

tgcccggact tccgccgcga cccggcagca tgccgcaagg gcgacgcctg cgagtacgcg 240

cacggcgtct tcgagtcatg gctccacccg gcgcagtacc gcaccaggct ctgcaaggac 300

gaggtcggct gcccccg 317

<210> 7877
<211> 391
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027a06b1

<400> 7877

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cgcaggcgga tctcatccca tccaaggcag gcaggcaggt acgagatggc tctcaccaga 120

attggtcttg ctggcctcgc cgtcatgggg cagaacctcg ccctcaacat tgcggagaaa 180

gggttcccca tctctgtcta caacaggacc acctccaagg tcgatgagac tgttcagcgc 240

gccaagctag aaggaaacct ttctctctac ggattacatg accctgcatc cttcgtcaac 300

tccattcaga agccacgtgt agtcatcatg cttgtcaagg ccggtgcccc ggttgaccag 360

accattgcaa cgctcgcagc acacctggag c 391

<210> 7878
<211> 128
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027a07b1

<400> 7878

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gtcagaaaaa ccatggcggc ttcccgtgcc tagactgcac tgcttgctgt ggtggtactc 120

atggtctg 128

<210> 7879
<211> 471
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027a08b1

<400> 7879

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caacaattcg aagagcgaac caaaggtcaa gcagttagca gaaggtgtgg caagcaagct 120

gaagcctgta aaacattccc caatagatgt tagagaaaag gggccaatga gaaagcttat 180

gaagtcagag tcattcaagc gcgagggttc agttagtaaa gactccagtt cattaaaaca 240

gaataaatca tctctcttgt ctcgagatga aaaaccaaga atgttgaagc tgatgagtga 300

taagagtttt ttagaaagaa ggccttcttt tattcttcag aaaccacctt tatcaccaag 360

gcctgatagt tctgtcaagt cgggagatag aaaagtcgac caagataatc caaggcctgg 420

accaagcata ctaaatacta gcaaaaagcc aggtaacatc gaaaagaagc a 471

<210> 7880
<211> 450
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027a09b1

<400> 7880

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aggacgcgcg cggcgccgcc gcggtgcgcg ccgacgacgg ccaggtctac accgtcgagg 180

agatcgtggc catggtgctc cactacgcct acgggatcgc cgacgcccac gtctgcctgc 240

ccgtggtgga cgctcgtcgt cgccgtgccg ccctacttcg gccaggccga gcgccgggcc 300

ctcacgcagg cggcccaggt cgccggcttc aacgtgctcg cgctcgtcaa cgagcacgcc 360

ggcgccgcgc tgcagtacgg gatcgacaag gacttctcaa cgagtcgcgc catgtcatct 420

tttacgacat gggctcaggc agcacctacg 450

<210> 7881
<211> 378
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027a10b1

<400> 7881

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tcgggcgtga catcgtggac gcccactaca aggcctgcct ctacgccggg atcaacatca 180

gcggcatcaa cggggaggtc atgcccggcc agtgggagtt ccaagttggg ccgtccgtcg 240

ggatcgcggc gtccgaccag ctgtgggtgg cgcgctacat cctcgagagg atcactgagg 300

ttgccggggt ggtgctgtcc ctggacccga agccgatccc gggcgactgg aacggcgcgg 360

gcgcgcacac caactaca 378

<210> 7882
<211> 424
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027a11b1

<400> 7882

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atctggcaac aagcaccatg ctgatacatt tgctttgtcg aagccatcgg tttgaggaag 120

catgtgctga gtttgaggac atgttccgta gaggccacgt gccccagtat atcacttaca 180

ggatgcttat gaaagagctc aagcggctgg gtttggttca actggaagag aagttgaccg 240

acctaatgcg ctcagtacca cattctacaa agttgcctgg cagctacaga gaaaaggaag 300

gcgacaatgc taaagaaaag agaaagttaa tattggagaa agctcaggct gtttccaatg 360

ttctgaagga gtgtaaagat ccgaaggagt tgcacaagct gaaagatgat gaagaaactg 420

atgt 424

<210> 7883
<211> 257
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027a12b1

<400> 7883

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tccagaaccc gactgccgcg ctgacggagg aggcgcccgc agaggagacg ccggtggccg 180

tcgaggaggc ccctacgaca gaggaggtcc ccgcgccggc ggaagccgag gtcgaggcgt 240

ctgcccccgt cgaggtt 257

<210> 7884
<211> 311
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027b01b1

<400> 7884

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ttgcctgcta tctgtctgct cactggaaag ttcatcatgc cagagattag caacttggcc 180

agtatctggt tcattgcgct cttcctttca attttcgcca ctggtatcct tgagatgagg 240

tgagctgctg ttggcattga cgagtggtgg aggaatgaac agttctgggt cattggaggt 300

atctctgcac a 311

<210> 7885
<211> 235
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027b02b1

<400> 7885

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gtttgctaac gaggttcaga acattatggc tctccaccat gaaaatgtac tgaagttggt 180

cggctactgt cacgaaggtc aaaagaaagt ggtgctgaac aacggaagat atatt 235

<210> 7886
<211> 407
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189027b03b1

<400> 7886

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catattgtta tcgtcaccac aggatgggta tgtaccatat cattcagcaa gaatcgagct 120

ctgcccagct gcgtcggctg ataattcaag gaaaggtcaa gtcttcacag aaatgctgaa 180

taattgcttg gatcagatgc gtgcaccgtc gtctgaaact cgtatattca tgaggtgtga 240

tgttaatttc gaccaatctg cccatggacg gaacctgaac accatgatcg gcagagcagc 300

ccacatagaa ttcctggaga ctgacatcta cgccaggttc attcatgtgg tccttccctg 360

aacttttncg atgacgatga caatgttctc tccctcttat ttgggat 407

<210> 7887
<211> 260
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027b04b1

<400> 7887

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tttgggatcg ccatgggcgg ggattcgagg ttctcccact gacgcggctg gtccggtcgg 120

tcagcgacag cgcacgccat ggccgaggac catggatcgt cgcggcacat gtcgtccatg 180

tccatgtcgc acaaggagct gggcgacgac gacgcgcggg tggtgcatgt gggcgacgcg 240

gagcgcacca acgagcgcct 260

<210> 7888
<211> 252
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027b06b1

<400> 7888

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agaagaaggt cgacgacgat ggcggcgttg gtggagctga ccaaggagta cggctacgtg 120

gtgctcaccg tggtggccta cgccttcctc aacttctgga tgagcttcca ggtcggcgcc 180

gtccgcaaga agtacaaggt gttctacccc acgctgtacg ccatcgagtc ggagaacaag 240

gacgccaagc gc 252

<210> 7889
<211> 413
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027b07b1

<400> 7889

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tctgcacagg atgctggaca agctgtggga cgacgtggtg gccgggcctc gcccggagac 120

gggcctcgac aagctccgtc gggccgccgc cacccaaccc ctcgccatca acacagctgc 180

aggggaggcg attaagcagt cgccgtcgat gccgactacc ccgaccactc cggtgacgcc 240

gtcgtcgtcc acgccgccgc gcggcggcag cgtgtggcgg agcgttttcc accccgggag 300

caacctggcc accaagagcc tcggcgccaa cctcttcgac cgcccgcagc ccaactccca 360

caccgtctac gactggcttt acagcgacga gactaggaca aggagcaacc acc 413

<210> 7890
<211> 486
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027b08b1

<400> 7890

ttccacgcgt ccgcccacgc gtccggttcc caccctctca catccacacc agcggcaaat 60

agtagtaatc cccgccgccc aacccccacc ctctccggcg cgtgcgcttc cgatgcttcc 120

gcgccggcgt cggccacggg tggtgcagtg atggtgggct tcttccgcag cggcaacctt 180

gcctcaaggg tgttcgaccg gcagtttctc tctccgcgcc ccggcgcaac cgttaatact 240

gtcagacaat tctatgagaa tttggttcca agttacacta tatacggcat agattgccca 300

gactattcgt ttcgcaagtt caccgatgat ggcaagtatc ttgtggcctt tagtcgaaac 360

caccaagatt tgattgtgta ccgtcccatc tggttaacgt tttcatgcca tgaagaatgt 420

gattctcatg atcttccggc caatgcagag agatttgaca gtttctttaa gcagctctac 480

tcaatc 486

<210> 7891
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<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189027b09b1

<400> 7891

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gttacaaaaa tttcgcctgc atttgtgcta ttcttcaatt gttccgagga agagatggaa 120

aggcgtcttt tgggacgcaa tgagggtaga gttgatgaca acatcgagac tatcaggaag 180

agattcaaag tttttgttga atccagtttg cctgtgattg agtactatga cgcgaaggac 240

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ccattcttgg cccatatgcc aaggc 325

<210> 7892
<211> 323

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027b11b1

<400> 7892

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caggacgtgt gggactggga ggtgctgcct gacgagcaca ggagcttcta cgccgagacc 180

agggccgcat cccgtgccca cgacggcggc gaggttcttg ccgatcacga aaccgaggaa 240

ccgatcctgc ctccccccgtc acaagtcgac gctgataatg ttgacgagtg caaggacatc 300

ggcgtcgacg tcgacgtcgt gcc 323

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<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027b12b1

<400> 7893

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gaaggcggtc ttctccggcg aggacacggc cgtcctgccc aaggcctgcg cgggcttcat 180

cgacgccgtg gacgtcgagg gcgactgcgg acccggcagc gtctccacca tgacgctcag 240

cccggcggca gcggagctcg ccggctcggg cgtgatgagg agccgcctgg tggcgcgcga 300

caacgcggcc cgtgtgatca agacggagct gctggagggc agcaaggtga gcgcccagct 360

caagtcgcag gtggccgagg tgaagctcga ggc 393

<210> 7894
<211> 265
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027c01b1

<400> 7894

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gggcgacggg ccggcgatcg gcatcgacct cggcacgacc tactcgtgcg tcggcgtgtg 180

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cgtcgccttc accgactcgg agcgc 265

<210> 7895
<211> 236
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027c02b1

<400> 7895

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ctttttgggt tcatcagatt tggaggatgt cttgcaactg tggatccggt tgcagctgcg 120

gctcagactg caagtgcggg aaggtgtacc ctgatctgac ggagcagggc agtgccgccg 180

tccaggtcgc cgccgtggtc gtcctcggcg tggcgcctga gaacaaggca ggtcag 236

<210> 7896
<211> 339
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027c03b1

<400> 7896

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ccccaagccc gacaaggagt tccccgtcgt cctggcggag tggtggagga gggacccgat 120

cgcggtgctc aggcagtcca tggtcaccgg tgcgccgccc aacgtctctg acaccatcct 180

catcaacggc cagcccgggg atttcctccc gtgctccagc caagagacaa gtatcattcc 240

ggtggtcgct ggcgagacga acctggcacg catcatcaac gcggccatga actccgagct 300

cttcgtctcc ctcgccggcc acaagatgac gggtggtcg 339

<210> 7897
<211> 247
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027c04b1

<400> 7897

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cacctcaatc acgtcttcac tccaccgccc gcgaaatcca ggccctagcg cgacttcgcc 180

atggccgcag cactcctcct cctggtgccg cccgtcggcc tcctcgccga gctcgccttc 240

ctgaccc 247

<210> 7898
<211> 468
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027c05b1

<400> 7898

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taagtatttt gctagacttg gaaagaatgt tatatctgtc tatgagactg atacgttctc 180

tcttatcgat aagaagtccc taaaggtaga aaatgtggtt gacttcagtt ggtctcctac 240

tgatcccatc atatcactct ttgtgcctga attaggtggt ggaaaccagc ctgccagggt 300

gagtcttgtg caaattccgg gcaaagagga gattcggcag aaaaaccttt tcagtgttag 360

cgactgcaaa atgtactggc agaacaatgg agaatatctg gctgtccagg tagacaggta 420

caccaaaaca tagaagagca tttacactgg gttcgagctg ttcagaat 468

<210> 7899
<211> 258
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027c06b1

<400> 7899

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ggaatctctt ggatatgtac ttatgtactt cctacgggga agccttcctt ggcaaggtct 120

gaaagcagga acgaagaagc aaaagtatga gaagatcagt gagaaaaaag ttgcaacatc 180

aattgaggct ctgtgtcgtg ggtatcctac tgagttcaca tcatatttcc attattgccg 240

ctcgcttcgg tttgatga 258

<210> 7900
<211> 412
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027c07b1

<400> 7900

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acgtcgagta ccgctgcttc gtcggcggcc tcgcctgggc caccgacgac cagtccctcc 120

agaacgcctt ctccaagtac ggcgacgtca tcgactccaa gatcatcact gacagggaga 180

cgggccgttc ccgcgggttc gggttcgtca ccttcgcgtc ggacgaggcg atgcgccagg 240

cgatcgaggc catgaacggc caggacctgg acggccgcaa catcaccgtc aacgaggccc 300

agtcccgccg ctccggcgga ggcggcggcg gcttcagcgg cggaggcggt ggcggctacg 360

gcggccagcg ccgcgagggc ggcggcggcg gctacggcgg cggcggcggt gg 412

<210> 7901
<211> 406
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027c08b1

<400> 7901

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caacatgacc gaggtctgcg tcaaggccgc cgtcggccac cccgacacgc tcggcgactg 120

tcccttctcc cagagggtgc tgctcacgct ggaggagaag aaggtgccct accagatgaa 180

gctcatcgac gtcagcaaca agcccgactg gttcctgaag atcaatccgg agggcaaggt 240

gcctgtgtat aacggtggtg atggcaaatg gattgctgat tctgatgtga tcactcaagt 300

cattgaggag aagtacccaa ctccatcact tgtgacccct cctgagtatg catcagtggg 360

atcaaagatc ttctccacct tcgtcacgtt cttgaagagc aaggat 406

<210> 7902
<211> 105
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027c09b1

<400> 7902

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gttcgtcccc accgacgacg agctgctcca ggcgcagtcc gacct 105

<210> 7903
<211> 423
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027c10b1

<400> 7903

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cgactaatcc tgagtatgct caaggctaca agatcacctt cacggattgc ttcccgttcc 180

tgatagcatc ccagggatca ctggatgcac tgaatgagct gcttaaggaa cctgtaccaa 240

tcaatcgctt cagaccaaat attttagtgg acggatgcca cccgtacgca gaggatctgt 300

ggaaaaccat gaagataaac aagctaacat ttgacggcgt gaagttatgc gaccgttgca 360

aggtgcctac cattaatcaa gagaacggaa tacctggcag cgaaccaaca gaaaccatgc 420

tga 423

<210> 7904
<211> 245
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027c11b1

<400> 7904

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gatgggcgcg caggcggacg tggaggtcgt gttcgaggtc ccgcccctgg agcacgccga 120

cgtcctggag cccaactggc tgctggaccc gcagagcctg tgcggcgaga agggcgcgtc 180

cgtgccgggc agcgtcggcc cgttcgggct gctcgtcatg gcctccggcg acatgcagga 240

gcaca 245

<210> 7905
<211> 379
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027c12b1

<400> 7905

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ttcgtcaagc ggatctctga tttccacctg cttctccaga tcgctgcttt cctggatgtc 180

aaggccgacg tgcctactct ggctgcgtgc gtgggacacc aggccgaggt gccagagggc 240

taccggctcc tgatcgacgc cttggcaggc atacataacc agagagggtt tcctgaaaca 300

agacacgggg tcatttagca gcttgctctc agtatcatct catgtgtgat ttatacgagt 360

tttaaacaag acttacaca 379

<210> 7906
<211> 238
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027d01b1

<400> 7906

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gcgacgccgc cgagtccgac gtcgtctggg cgcgcttcct cccaccggac taccgcgcca 180

tcctccagct gcacgaggcg ccggcgcggc gcttcccccc ctcgcgctcc ggctccac 238

<210> 7907
<211> 335
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027d02b1

<400> 7907

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cctttctgat cacatgatag gcaatgtgta tgtccagttc agagaggaag atcaggcagc 180

agcagctcat actgcccttc agggacgatt ttactctggt cgcctaataa ttgttgactt 240

ctctcctgtg acggacttcc gtgaagcgac ctgcatgcag tatgaggaga acacctgcac 300

tcgtggtggg cactgcaatt tcatgcatgt gaagc 335

<210> 7908
<211> 249
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027d03b1

<400> 7908

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atcctcaatg atggtactat catgacaata tccaaggaca gagttaagcc atctcccttg 180

cccgacagct ggaagctcaa tgaaatcttc gccactggtg ttgtgctcgg aacctacctt 240

gccctgatg 249

<210> 7909
<211> 510
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
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<400> 7909

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tcggcggcgg cgtctcgggg gggtacgcgg cgcgggagtt cgccaagcag ggcgtgcagc 180

cgggggagct cgccatcatc tccaaggagg ccgtggctcc ttacgagcgc cctgccctca 240

gcaaggcata cctgttccct cagaatcctg caagattgcc aggattccat gtgtgtgggg 300

aagtggaggc gagaggctct tgcctgaatg gtactcacag aaaggcatcg agcttatcct 360

gagcactgaa attgtcaaag ctgatcttgc ttccaagact ctgactagtg cagctggagc 420

aacctttaca tatgataccc tgctaatngc tactggctcc tcagtcatta agctctctga 480

ttttggcact caaggagctg attctaacaa 510

<210> 7910
<211> 337
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027d08b1

<400> 7910

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taccatattc catcgaaggt ggtgtgtgca gagcagcagg ctgtggacgt gatgggcaat 180

gcccttcgag agtatttctt ctatggaaaa aagaaatatg atgagcgaaa ggcggccttt 240

gaacgtgtga ttgcacgcaa aggtctgggt gactatttcc caggcttcgt ctccttcgag 300

acatgtgtag agacttacaa gcaaggaagc gagcaca 337

<210> 7911
<211> 337
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027d09b1

<400> 7911

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aatcgcagtg aaggttctgt cagccacttc aaggcaaggc gtccgagagt tcttgactga 120

acttacagca atttcagaca tcaagcatga aaacctcgtc acgcttgtcg gctgctgtgc 180

tgaagggtcc cataggatcc tcgtttacaa ttatcttgag aaaaacagcc tttcacagac 240

attgctaggg tctggctaca gcagcatcca gttcaactgg agggctcgtg tcaaaattgc 300

cgagggagtt gcccgtggac ttgcatttct tcatgag 337

<210> 7912
<211> 248
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027d11b1

<400> 7912

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cgtgtccacc tgctccgtct agtcgcgaca cccgcacagc tctggttcgc agtcgcagcg 120

atggcgccca accaccgccc ccgcgacctg ctccttctcg ccgcggcgct cctgctctcc 180

gcctcctgcg ccgccgccgc cgacttcgag tactgcaaaa aggggcgcca ctatccggtg 240

aaggtgag 248

<210> 7913
<211> 252
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027d12b1

<400> 7913

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acgtctgcag gcagcccaag gacatggtgg tctcgcggtg gcacttccac cggcggctgc 120

atcccgagct ggcgttcgcc gacgtcttcg gggccgtgtg cagcggcttg gtggcgtacg 180

gaccagcgaa aacatgtttt agagtctatg catccgggta cttcttattc aaccactcat 240

tcctgcatca cg 252

<210> 7914
<211> 267
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027e01b1

<400> 7914

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cgactccggc cccaagtgcc gcgacggctg cgtgaactgc cgcgtcgtgc atacgagccc 120

taagaagacg ttccgatgcg ccgatgcacg cgtcgacgat ggcacgccct gcaagccctg 180

caagaagtac tgatcgctca tgtctcagaa catcagatgt tgcgccgaaa ataaaagctg 240

ggatgagttg agcagagccg ttatggc 267

<210> 7915
<211> 227
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027e02b1

<400> 7915

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cggcgaacaa ccccagccta cgtggcttcg agatcatcga cgaggccaag gccgcactgg 180

aggcgttctg cccgcgcacc gtctcctgcg ccgacgtgct cgctttc 227

<210> 7916
<211> 270
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027e03b1

<400> 7916

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cggctcctcc atccaccgac tctgtctgtg caagcgacca gtttccttcc gccccgacct 180

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gccgcgagga agcaacgtga ggagggagag 270

<210> 7917
<211> 223
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027e04b1

<400> 7917

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tcacgcactg ggtgatgagc cgtgcccctg gcttgtgcgc ccacggcttc accaggatgc 180

acgtcgcgat gtagtccagg ttcgtcaggg gcacgacgtg tgc 223

<210> 7918
<211> 233
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027e05b1

<400> 7918

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gtcggccatc ccgtcccggc tccaccgcat ccggccgccg ccgctggccc cgccccgccc 180

ggcgaccatc ctgccgtcgc cggcccagcc gactctctcc cctctcccgg cgc 233

<210> 7919
<211> 346
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027e06b1

<400> 7919

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gccgagtagc tagcctagtc tagggtttcg gtagagagga agtgagatcc atggcggaga 120

cggagtaccg ctgcttcgtg ggcggcctcg cctgggccac cgacgacaac aacctccagc 180

aggccttcag ccagtacggc gagatcctcg acgccaagat catcaacgac cgcgagacgg 240

ggaggtcccg tgggttcggc ttcgtcacgt tcggcagcga ggagtcgatg cgccaggcca 300

tcgaggagat gaacggcaag gagctcgacg ggcgcaacat caccgt 346

<210> 7920
<211> 310
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027e07b1

<400> 7920

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gttcagagtt ggtgtgagag gaggctacct ggcggtgaac acgttggtgg ctgcgatgct 180

cccgttcctt ggcgacttca tgagcctgac cggcgccctg agcaccttcc ccctcacgtt 240

cgttcttgcc aaccacatgt acctgatggt gaaggggccc aaactttctg ccttccagaa 300

aggttggcac 310

<210> 7921
<211> 416
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027e08b1

<400> 7921

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cccaaggaat cgcaggctaa agttgctgag ttttcgttcc gtgggacgcc agcaaagata 120

aagcatggtg atgttgtaat tgcggctatc accagttgca ccaacacatc aaatcctaat 180

gtaatgctgg gagctgcttt ggttgccaaa aaggcttgtg acctaggcct ggaggtgaaa 240

ccatggatta agacaagtct tgcaccaggt tctggtgttg tgaagaagta cttggacaag 300

agcggtctgc agaagtatct taaccagctt ggcttcaata ttgttggcta tgggtgtaca 360

acctgcatag gaaactctgg agatcttgat gaatccgtag ctgctgcaat tactga 416

<210> 7922
<211> 382
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027e09b1

<400> 7922

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caaaaaatcc gattagagac gaaggagtac actctttatg caaggccttt tcaaatttcc 120

caattatcgg tgatgaatta actgcacaaa ggaaaaagaa catcgccgaa cttgaaaaac 180

aaaggaaaga attattagca aataataatg caaatccttt tcaggcagat gaaccatttc 240

aaataaaaag ggagcaaaac cctccaaaaa tgcactgcga agatccacca tcatggattc 300

acgaacaagt gaagttgatg taaaaagaaa attaggggga ccatcagcca tgttgaacat 360

gcccgtaaga agttaggagg cg 382

<210> 7923
<211> 221
<212> DNA
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<223> Clone ID: uC-tsrow189027e10b1

<400> 7923

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cgacctccgc gccaaggtgt caagcttcgc gctggcgcgg tcggtcccca cgggcgttga 120

tggcggcgac gcgcagctca cccgccacgt cgttggcacc caggggtacc tggccccgga 180

gtacctggag cacggcctca tcacgcccaa gctcgacgtt t 221

<210> 7924
<211> 399
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027e11b1

<400> 7924

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cttttgccta tgtcccaaag ggaaattaaa tagaaattca acatctagta ctccatttga 120

cttttaaagc gtaacaacat ttgagtcata cttttggttg tgattcttgt tgcttcgatt 180

cgatttgact ttttttgaa gtgtaacaac atttgagtca tacttttggt tgtgattctt 240

gttgctttga ttcgatttga ctttttttg aagtgtaaca acatttgagt catacttttg 300

gttgtgattc tttttttctt tgatttgatt cgacttttt tagcttatga acattcaagt 360

aagattgtgt ttctttgatt tgacttttt gttattaat 399

<210> 7925
<211> 310
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027e12b1

<400> 7925

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ccaagaaagt ccctgcacca gggagcactg gcgtcccagg tgaggagcag gggaagctgt 180

ttattgagct ggatttcccc atgattggtt ttctggactg caaccaaatg ccgtcgattc 240

cagagaccct aaacggtgcg cccattgtca gcgttcacaa atcggctacc gacggcgacc 300

tcattgtgga 310

<210> 7926
<211> 268
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027f01b1

<400> 7926

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cgtatccgat cccgccgtcg cagtcatgcc gttcaccctg gtaccctgct ccggcaagag 120

caccctcgcc ctcgtggcca gggtctccgc cgtcggcgtg gggctcgtct acggctccgt 180

gaagctcggc atgctgaaga tgaccaagcc caaggaggaa gcagctgatg ctcatgactg 240

aggacaagta gctccagcga gttgacgc 268

<210> 7927
<211> 250
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027f03b1

<400> 7927

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catctacccg aacggcagcc ggctcgacga cagcatcggc gccgcccagc ggatcggcat 120

gcgctttcac gcgagccgcg gcgcaatgag cgtcggccag cgcgacggcg ggctgccgcc 180

cgattcggtg gtcgagcgcg aacccgacat cctgcgcgac gcgcagcgcc tgatcgagac 240

ctatcacgac 250

<210> 7928
<211> 217
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027f04b1

<400> 7928

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agtcatttgt atggtttgtg ttcatgaata atcagtggct ggcatcattt tatatttgca 120

ccgtttgagt gctgattaca gtaggtctac atttttagt caaagtgttt ttatgttact 180

ttgttctttc agttttctgt cagtagtttg ttcaact 217

<210> 7929
<211> 235
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027f05b1

<400> 7929

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agcaggggat ccgccgcccc tccatccccc ccaggtttcg tgtcaggcgc gggggctccg 180

ggccgattgg tctttgatcc cgggcccccg aatcagctcg gatcgcgcgc ggatc 235

<210> 7930
<211> 388
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027f07b1

<400> 7930

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cggaccaagc cggaccggga gcggaagctc agcgccaggt accaggccta cgacaactag 120

gagctgccgg agaccgtcga ctggaggaag aaggggggccg ttgctgccat caaggaccag 180

ggcggctgcg ggagctgctg ggctttctca gcaatagcag ctgttgaagg catcaaccag 240

attgttacgg gcgacatgat ccctctgtcc gagcaagagc ttgttgactg tgacacttca 300

tacaacgagg gatgcaatgg aggtctgatg gactatgcgt ttgagttcat cattaacaat 360

ggcggtatcg actctgagga ggactacc 388

<210> 7931
<211> 308
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027f08b1

<400> 7931

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caagaacgag tggggaaacg ccctctaccc cgtcgtcccc gggcatgaga ttgttggcgt 120

cgtcaccgac gctggccccg gcgtcaagaa cttcaaggcc ggggacacgg tgggcgtggg 180

ctacttagtc gactcctgcc gctcctgcgt gagctgcggc agcgggcacg agaaccactg 240

ccccacgctc gtgctcacct ccaacgccgt ggactacgac ggcgccacca cccagggagg 300

gttctccg 308

<210> 7932
<211> 264
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027f09b1

<400> 7932

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gcagcgccac cttcaaggat gccatgaggt acctctggat gccccacctc gtcgagcgca 120

tccacgccgc cgtcgtcacc gccggcggcg accccacaat gggcgacacc tcgtgcgcgt 180

caggagtcac gtcgatggcc gtcaccgcca ccacatatcc cgacaacaac tctcccgcca 240

gcgcggtcac caccagcagg tcgg 264

<210> 7933
<211> 232
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027f10b1

<400> 7933

tcggagaccg ccccgactga cattagaggg ctgctgaaca cgctgccgca attcagtggg 60

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gactggagag tcatgcttgg ggttttgtcg ataccgtcgc ttatgtactt tgcattgact 180

gtcttctatt tgcccgagtc gccgagatgg cttgtgagca aaggaagaat gg 232

<210> 7934
<211> 233
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027f11b1

<400> 7934

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agtgtggagc acgctgctgc tacctggtca tgctctcagc agtgtgaatc tccagaagca 120

tgcttgccgt gccttcttcc gggtgcaccg gaggctggca tgtgagcagg ggtgcttcag 180

tgacgcagaa gaaaaaaggc aagtcttatc ggcaagggaa ggctacgcct ttc 233

<210> 7935
<211> 238
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027f12b1

<400> 7935

ttcttcccac gcgtccgctc ctctttttct cattcaaatc agtcatgcat tcaaaatccg 60

ctttccttct gatcgtggtg gcagttagca ccacggccat ggtgcacggc caccctgccg 120

ctagcactcc ggcggcacgg ttctgggagc aggccctctc cggcacgcct atgccggagg 180

tgctagctga ttttgttcag aaaggaatcg atctgtcacc gcttgtggag cactactc 238

<210> 7936
<211> 344
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027g02b1

<400> 7936

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aagacacaat ccttaagaaa tatgatggca ggttcaagga cattctccag gagatctatg 120

aagctggctg gaaatccaaa tatgaggctg ctggaatatg gtatgaacat cgtctcatcg 180

atgacatggc tgcctatgca cttaagagcg aaaggtgcta tgtttgggct tgcaagaacc 240

tatgacggaa atgtgcaaag tgatttctta gctcaaggtt tgggctcttt gggcttgatg 300

acgtcagtat tgatgtgccc tgatggtaaa accatcgaag ctga 344

<210> 7937
<211> 240
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027g03b1

<400> 7937

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caaataacgt tctatttggg gtgaacattg atggtcaact gggcttacca cttaatgcag 120

atgccttgat tgccaatagc attgaaaatg ataaattcat ggatgagatg gctggaaatg 180

gcatttctaa ctacatttca tctaaggatt ctcaacaaga gttatcatct tcaatgattt 240

<210> 7938
<211> 242
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027g04b1

<400> 7938

ttccactcgt ccggagaccc ggcccgcctc cgcgtccacg gagtccagcc gcctcacggc 60

ggggtgcacg cgaagccggc tccacgcagc gtcctccttt cgccaccacc acgtccccgt 120

cctccctccc ccacccaaaa cccgcctcat ccccgtgtca aaacctccga gctcgccaca 180

gcgatcgcca gctcgcctcg cccacgccca cgcccgcgac cgcggagctg acccatggag 240

ga 242

<210> 7939
<211> 112
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027g08b1

<400> 7939

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gaggcgacgc gagcagcagc ggtcacctcg cgcacgcatt cggccgtaca cc 112

<210> 7940
<211> 327
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027g09b1

<400> 7940

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ccgtggtgcc caaggagagc tgcggcagga cggtcggcat caagaaggcg ctcgtcttct 180

actccggcag ggcgcccagg ggcgtcaaga ccgactggat catgcacgag taccgcatcg 240

tcgaagccga ccgcgcaccc ggcaagaagg gatccctcaa gctggacgaa tgggtgctgt 300

gccgggctgt acaacaagaa gaacaac 327

<210> 7941
<211> 383
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027g10b1

<400> 7941

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gccctacggc gaccgccgca tcgacctcgt cgtcaagccg ccgccgccca ccaggtcccc 180

gccgccgccg ttgcccgtca ccaagagcgg aggcggaggc gggataggct ccgcctggtg 240

cttcagcgac ccggaggtga agaggcggcg tcgggtggcg agctacaagg cgtactcggt 300

ggagggaaaa gtcaaggcct ccttccgccg gggcttccgc tggatcaagg acaagtgcac 360

gggcttcatc catggctgaa tcc 383

<210> 7942
<211> 299
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027g11b1

<400> 7942

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accacgtggt gctggcggag ctcaagtccg ccgtggccag ggccgacgtg ttccacctcg 180

tctcggggat gtggctgccc gccgccgagc gctgcttcat ctggattggc ggctcccgcc 240

cgtcggacct catcaaggtt atggcgcggc atatggagcc actgacggag caacaggcg 299

<210> 7943
<211> 331
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027g12b1

<400> 7943

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cagatctcat ccaaggcagg tacaagatgg ctctcaccag aattggtctt gctggcctcg 120

ccgtcatggg gcagaacctt gccctcaaca ttgcagagaa aggcttcccc atctctgtct 180

acaacaggac cacctccaag gtcgatgaga ctgtccagcg cgccaagcta gaaggaaacc 240

ttcccctgta cggtttccat gaccctgcat ccttcgtcaa ctccattcag aagccacgcg 300

tcgtcatcat gcttgtcaag gctggcgcac c 331

<210> 7944
<211> 263
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027h01b1

<400> 7944

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agccggcgcg ggtgggggtc gcggtgaggg gcggcagggc ggcggcgcgc ggggtgcggt 180

gccgggccgg cggcctgatc gagccggacg ggggcaggct ggtggagctg gtggcccccg 240

aggagggcgg ccggcgggcg gcg 263

<210> 7945
<211> 381
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027h02b1

<400> 7945

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gccgagcaat ttccccatgc tccaggcctc ccggatgacc cccgccccga cccgtcgctc 120

cctctgctgc tgcttcgcct gctcgctcaa tccccccgga gccgtcgtcg cccgctagtc 180

ctcgccgggg gagcagaaga tccggtcttg gaccccgcct gcgtcgccga cgtcgtcgtc 240

gtcttcgtcc cgcgtggggc tgatcgttct gtggagctcg aggtgcagtg cttttgaccg 300

agaatttgag cccaacggat gaacatgtgc gagaaagatc aaaatttcca ctgggcctac 360

gacctttcc atgacccctt t 381

<210> 7946
<211> 275
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027h03b1

<400> 7946

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gccgcccgtg cggtcggggc cggggctgag ggcgcggatg ggtcggatga agaggaagac 180

gggttcgagt tcgagattgg gaccctgggg aaatttatga agcctcaggg gactgtaaat 240

gtctcggcta cgtacaatac atggcaccac actgt 275

<210> 7947
<211> 231
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027h04b1

<400> 7947

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gaaatacgac tatatttcat catcctgctc ttggtgattt cgaagtgcag catttacctg 120

ttgttggtaa tgatgctgaa cttgaagagc gtatactgca acacctagct gctgctgcag 180

caatgggaag gtcacaccaa catggcagaa gagaggggca gaggaaccga t 231

<210> 7948
<211> 340
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027h05b1

<400> 7948

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ctcggcctcc gtcctccacc cagcagccag agcccagcag gagaccgacc aggaggagga 180

gttcagctac tcgctggacg cggagaacgg gccggcgcac tggggcgaca tcaaggaaga 240

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gtccctcgtg cgcggcctcg gttacctcaa ccactcctac 340

<210> 7949

<211> 227
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027h06b1

<400> 7949

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gctgtaatgg aagaaaatca aatggcggac ctggtttggc catacttgag gttggtttat 120

cagccgcccg aggaatctgc gcggcgtcgt cgccgcgaac agtactcgat attcaccatc 180

atggaggctc tgaggcaaat gattcttgaa ccaatcgttt acgacac 227

<210> 7950
<211> 269
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027h07b1

<400> 7950

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acacagctgt caggccagtc aaccttggcg cacagcttgt acctacccca tgtgtcgtgg 120

cgcacctggg tcccaccgca tccacgcttg gcggtgccgc gtccccgtcc gagctcgtcg 180

ccgccctgtc cctgcccgcc tccaagctgc cgttcctcgc ccgcctgctc cgccagctcg 240

ccacggcggg gcgtcttcac ctccaccga 269

<210> 7951
<211> 381
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189027h08b1

<400> 7951

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cgatggaggt catgggcctc atgctcggcg agttcgtcga cgactacacg gtcgtggtgg 180

tcgacgtctt cgccatgccg cagagcggga caggggtcag cgtcgaggcc gtcgaccacg 240

tcttccagac caatatgctc gacatgctca agcagaccgg caggccagaa agngtggtag 300

gggtggtatc actctcatcc tggttttggt tgctggctat cgggtgttga tatcaatact 360

caccagagtt ttgaagcttt g 381

<210> 7952
<211> 298
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027h10b1

<400> 7952

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acagctgcag ccgcaacaag gagaagaggc ctccgctcaa gagaggccag ctcaagctgc 180

agatcgccag gactctgggc agcctcgtgg tgccgggcgc caagagcagc ttcagcttca 240

gaagatgatc aattgagcag ccactcagcc agggcaagca gcattttctc gaccaatc 298

<210> 7953
<211> 300
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189027h11b1

<400> 7953

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cgtccgcatg tatctccact ccggccgggc agccagtctc ttcttcttct tctccagcga 120

gcgagcgagc taggctcgga ggtgagcgaa aatgccggtc agcaggatcg ccgtggggag 180

ccaccgtgag gtgtacgagg tgggcgccct caaggcggcg ctcgccgagt tcatctgcac 240

gctcatcttc gtcttcgccg ggcagggctg cggcatggcc ttcagcaagc tgagccccga 300

<210> 7954
<211> 216
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028a01b1

<400> 7954

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cgccgccggg aaacggggat cactttgttg gtgggacttg agacgggcag aatgtcttca 120

tcgcctccgg cttcgacggt ggcggacgcg gcggcggtgg gtcatccgtc gcagctggcc 180

atcagcaacg gggtgctgct ggcggcggtg atcttc 216

<210> 7955
<211> 312
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028a02b1

<400> 7955

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ggcttaccta ggagtaacta ttaagaatgc tgttgtcacc gtgcctgctt acttcaatga 120

ttcccagagg caggcaacca aggatgccgg tgttattgct ggtcttaatg tgatgcgtat 180

catcaacgag ccaacagcag ctgcaattgc ctatggtctt gacaagaagg ctaccagtgt 240

cggtgagaag aatgtgctta tctttgacct gggtggtggc acttttgatg tctccctcct 300

taccattgag ga 312

<210> 7956
<211> 408
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189028a03b1

<400> 7956

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tctcccagac cacccacctc ccggccgccg ccgaggacgc ccggacctcc cggccggcag 120

caaaccaacc agccacctcg tgcgtgtttg aaaaatcatg gcgcagcggg atcacaagca 180

ggaggagccc acggagctgc gggcgccgga gatcacgctc tgcgccaaca gctgcggctt 240

cccgggcaac ccggccacgc agaacctctg ccagaactgc ttcttggccg gcccggcgtc 300

cacgtcgccg tcttcctcct cctcctcctc ctcttctctg cngggcgtgt ccgcgccgac 360

ccccgtcatc gacaggccga ggccggcgcc gttggaggcg gagctggc 408

<210> 7957
<211> 244
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028a04b1

<400> 7957

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ttttggatac caaggagaaa ctggaagtcc ggagaaacga agtcctcagc cgaataagat 120

cctctgttgg aagcagatca gaacggttaa ctcagtattc tccagggcag ggatcttcta 180

gtgggaactt gcatcatcat atgagcccca ataagaggga atacacaaag acacttcatg 240

cttc 244

<210> 7958
<211> 182
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028a05b1

<400> 7958

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caggtgtccg ccatgcgcca gggcttcgcc agggcgctcg tcccctacta cccggtggcc 180

gg 182

<210> 7959
<211> 304
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028a08b1

<400> 7959

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gctgcgagcg gcggtgctgg ccccaagatc gaggaggtcg actaagttag tcgcttttat 120

atagtgagaa atacactata caccatttta ttcagtcctg ggtgccaatc atatcacctg 180

ggctggaagt tttgttgtac tttttggtct gtagcatcac gagacttgtg tgtgtcgtga 240

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actt 304

<210> 7960
<211> 308
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028a10b1

<400> 7960

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gcttcttcgc gcacggcgcc cgccagctcc gcgccgtcaa cccctccgcc gcctccatgg 180

cctcgccatc cccgagctcc tcgccttcgc cgacgcgctc ctcctcctcc tcctccaggc 240

cggcgctcac cgcgtcgctc agctcgcggg agctcgactt ggacgccgac aaccagaaac 300

agtacgcg 308

<210> 7961
<211> 311
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028b01b1

<400> 7961

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acgtgggggt gacggcagtg gacgtgcaga cggcggcggc accggccgtg ggggtgacga 180

ctgtggacgt gcagacggcg gcaacgccgg ccgtggacac gaagacggtg gcgacaccgg 240

cggtggaagt gacgacggtg gacgtgcaga ctgcggcgag ggagcagcag gacggcatga 300

tgtactggga c 311

<210> 7962
<211> 354
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028b02b1

<400> 7962

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ccgcagcgcc cttcttgctg cgggaactgg ggccagggag ctgagcctta gggtttccct 120

ctcgcccaac tcccaccccc accgcgtcgg cgcttcatgc ccgtggccag tgcgttgctc 180

cccctgtcct tctcctgatt tggaggtgcc gcgcgtcagt aagaagaata ccaggaacga 240

ggaatgggag gcgttgaaga cgggagttcg gacgcatgtt ccggccgcag cttcgcaatc 300

taggggaact cttttcgtcc gccgtgtcta cgacattgag gattatcagc tggg 354

<210> 7963
<211> 377
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028b03b1

<400> 7963

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gagtggacta atttgagtga cccggtcaat ggaatgcgta ctgtattgat tatcatggtt 180

atcgaatggg caatacttct ccccttggca ttttatcttg atcaagtctc atcattgagt 240

ggtggactcc gaaagaggtt ggttgatctc cttgaaatgc tttaagaagc gagctgcatc 300

atttcggagg tatagcttcg ggcgactagg acctaaagta acaatcgaaa tggagaaccc 360

cgacactact caagaag 377

<210> 7964
<211> 291
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028b04b1

<400> 7964

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gagatgatgt ctgcactgta cctccaagtc agtattgtga gccaggctct tatattcgtg 180

actcgttcac gtagctggtc ctttgttgag cgccctggtt tcctcttggt taccgccttc 240

cttctcgcac aattggttgc aacactcatc gctgtctatg ccaactggga g 291

<210> 7965
<211> 222
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028b05b1

<400> 7965

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gatgtcaacc agaggaaaaa tgttattact agaggagtcc tttcagtaac tgttatatct 120

gcagaggaca taccagcaat ggatgtgatg cggaaggctg acccatttgt tgtcctgtac 180

ctgaagaagg gggaaaccaa aaagaagaca aagggttgtg ac 222

<210> 7966
<211> 226
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189028b06b1

<400> 7966

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cagccatgtc ggtgcgtccg agcgagcggg ccgacgcgcg gcggaaccga tacaaggtga 180

ccggtggacg ccgatgagng ggcggcggcg gcgcgaggac aacatg 226

<210> 7967
<211> 387
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028b07b1

<400> 7967

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gggagggagc tcacggcggc aagcggcggc aggcggagcg ggcgcgggag ctctccggcg 120

gccatgccgc gatccggggc gtgatcccgc cggggattgc tggcccggga gggccgcggc 180

gatgaacggc gcgagcgccg gctccggctc cggcggcgag gggccgctgg tgtaccaggc 240

ctggaaaggg aacaatgtcg tttttcctcc aggggaggtt tatatttgga cctgatgcga 300

gatccttgtt tgtcaccatg ttcctcatta tcgctccagt aacagtcttc tggtgtgttc 360

gtcgcgaaag aattgatgaa tagcttc 387

<210> 7968
<211> 429
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028b08b1

<400> 7968

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cgcaattact gctaccagta caaagaaggc tgatcttata ctcggtgaga tccaatcaca 120

gatcaagaac aaaaacatca ctgtagatgt gaaggccaac tcagcatcga atgtcattac 180

tacaattact gctgacgatc ttgcagcacc agggctgaag accatcttga gctttgctgt 240

tcctgatcag aaatctggaa aggttgagct ccagtacttg catgattatg ctggtattaa 300

tgcaagcatt ggcttgactg ccaatctgta gtcaacctct cgggcgcgtt cggaactagt 360

gctctagctg ttggtgttga acgtgtcgct tgatacagcc acaagaattt accaaataca 420

atgctgcac 429

<210> 7969
<211> 222
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028b10b1

<400> 7969

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cgatcgatga tgatcgacga gatgagcaag tatgatctgg tagcagtatg agtttctccc 180

ctttgtgaag acaataagag ggagctagcg tctggtcctg gt 222

<210> 7970
<211> 189
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028b11b1

<400> 7970

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agcggtggtg gtggccgtgc tggggcccgg cggcgcgcca cgccgggggg tgggccggca 180

cgctggcgc 189

<210> 7971
<211> 360
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028b12b1

<400> 7971

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cgcgtcgccg ccgacgactc ctccccggga ggagcagcag gaggagagcc ggcaggccat 180

cgggtccccg gcgcggtcgg cggaggagga gatggcagcg ggtcttccgc aagttcgacg 240

ccaacggcga cggccggatc tcgcggccgg agctggccgc cctcttcgag agcctgggcc 300

acgcggccac cgaggacgag ctgacccgca tgatgttcga ggcggacgcg gacggcgacg 360

<210> 7972
<211> 268
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189028c01b1

<400> 7972

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tcttccggct gctgggcgac agatcgccat tcacgcagca gaactggcag ggggacagcc 180

tcgaccgcga cgaggagaac agncaggatc caacacttgc gggagatcgc ggaatttcct 240

tgggtatcac gcctttcagt cgacactg 268

<210> 7973
<211> 302
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189028c02b1

<400> 7973

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gatgtgtgct gccgacccac gccatggccg ctacctcaca gcctcggcca tgttccgtgg 180

caagatgagc accaaggagg nttgatgaac agatgatcaa cgtgcagaac aagaactctt 240

cctcttcggg aggtgggatc cccaacaacg tcaagtaagg cgtgtgtgac atcccaccac 300

gc 302

<210> 7974
<211> 321
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028c03b1

<400> 7974

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agtgcgttgc agagtgagaa gagatggctc cggtgaagct gtacggcgcg accctgtcgt 120

ggaacgtcac caggtgcgtg gcggcgctgg aggaggccgg cgtcgagtac gagctcgtcc 180

ccatcaactt cggcaccggc gagcacaaga gccccgacca cctcgccagg aacccctttg 240

gccaggtgcc agctttgcgg gatggtgact tgtacgtctt cgattcacgt gctatttgca 300

agtattgcgt gccgcaagaa c 321

<210> 7975
<211> 305
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028c04b1

<400> 7975

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ctcctcgctg ttcttcttgc cttggtctca tggcaggcca ctgcctccga tcctagcccc 120

ctccaggact tttgtgtcgc cgacatgaat tcaccagtac gtgtcaatgg gtttgtttgc 180

aagaacccaa tggaggttaa cgttgatgac ttcttcaagg cagccaccct cgacaagcct 240

agggtgacca acaagggttg gatccaacgt cactttgatc aaacgtcatg cagattgctg 300

gactc 305

<210> 7976
<211> 309
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028c05b1

<400> 7976

ttacgttcat tgctcacaag actggtgcag acgcacggct ccacgaatcc acggaccaag 60

gtgtggaggc aggctgcagt gccgcagtag gcggaagcaa catacatcat ttatgtccat 120

caagtcccga gagaactact aatagctagc tggaaagatg ttttagagaa tttgtttgga 180

ggccgacagc gggctcgagt ctatctctgt ctcacgaaca gggtggacag gttcacgact 240

cgactgattg actgaatcgg agcaaacaat tcagcaaaca ccttatgggc agagcttgga 300

ctggcagca 309

<210> 7977
<211> 234

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028c06b1

<400> 7977

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aggaagagta atcccctaga gccctgaggc actggctggc gctaagtatt tacactgtgc 120

gtaaccatgt acttcacgcg aaggagatac ctcattagag gtgaatagtg cctaaataag 180

actgactggt acactttatg gagctacata gactacaaag acgatgcgaa taat 234

<210> 7978
<211> 304
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028c07b1

<400> 7978

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acaatcgtca ggtcctccgc catgtctctc acggtctagt tcgttcgttc tcgccaacgc 120

gatggcgacg ccggcccgcc ggccgtcggc gcagcagcag cagccgctga cggtggactt 180

cgaggcgctg agctacatca gcaggctcgt ggaggcgttc aggcgttcga ctacgacaac 240

gacggcctgg tcacggcccc cgagctccgg ggcctcctgg cctgcctggg cctggacaag 300

tcgg 304

<210> 7979
<211> 423
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028c08b1

<400> 7979

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ccgaggtgta cccgctgttc gcggcgacgg gcgtcgccat cggcatctgc gccttcagcc 180

tcctccgcaa catcaccggc aacccagaag tcagggtcaa caagatgggg agggcagcgg 240

gagtgcttga gaaccatgag gagggcaggc gctacgccga gcatggcctc agagcctatg 300

tgcaggacaa gacccccgag atcatgccag gaatcaacaa gttcttcacc agcccgaaat 360

gaagcacttt agcctgtcag tggctcgcta ttagtaactg ttggggtcaa gtgcaaacct 420

att 423

<210> 7980
<211> 377
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028c09b1

<400> 7980

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gcgacgcggg acgcggcatg gccaccggcg gcgacaacgg gtgcggcggc gggggggcgg 180

cggcgcccgg cggcggcgac ctgtacgccg tgctggggct cagcaaggag tgctccgacg 240

ccgacctcaa gctcgcctac cggaagctcg ccatgagatg gcatccggac agatgctcgt 300

cctccagcgg gaccaagcgc ttggaggagg ccaaggaaga agttcaggga gatccagggc 360

gcctatttcc gtcctct 377

<210> 7981
<211> 263
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028c10b1

<400> 7981

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cccgcagcgg caaccatggc ggtcggcaag aacaagcgca tctccaaggg gaggaagggt 120

agcaaaaaga aggccgtcga tccgttcacc aagaagcagt ggtatgacat caaggcgccg 180

ctgctgttca ccagccgcaa cgtcggcaag accctcgtgt ccaggacaca gggtaccaag 240

attgcctcag agaggtctga agc 263

<210> 7982
<211> 291
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028c11b1

<400> 7982

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cggccaccca agaccaaccg cgtccagatc cggcggcgga tctccccatg gcggccggag 120

ccctgggcct ggccctcgtc gcggcgctcg cggtcgcgct ggcgggggcc aactccgagg 180

gcgacgcgct ctcggcgctg cgccgcagcc tgcgggaccc cggcggcgtg ctgcagagct 240

gggaccccac cctcgtcaac ccctgcaact ggttccacgt cacctgcgac c 291

<210> 7983
<211> 219
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028d02b1

<400> 7983

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cccccgcccc gtctaccctg cccatccccc gccgcgggc 219

<210> 7984
<211> 225
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189028d03b1

<400> 7984

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ccagagcagc aagccttgtg gagctcggct cgagcatgga caccaagcat gcggattcgt 120

tcgacgagcg cgacgtcgtc gtcgacgccg gctgcgtccg cgccgtgctc ggggagctgg 180

tcctcacctt cctcttcgtc ttacncggag tcgccgccgc catgg 225

<210> 7985
<211> 351
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028d05b1

<400> 7985

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gcctcgtcct catcctcctc ctcctgcggc ggacggaagc ggcccgacat actcaacatg 180

atccggagtg cagcatgtct taattcatca tctactgata ctggcaaggg gcggagtaag 240

caatcaagca ccaaggtgac gcatggattc cacttggttg aagggaaatc tggccatgac 300

atggaggact accatgtagc agagtacaag tgtgataaga atcatgagct t 351

<210> 7986
<211> 355
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028d07b1

<400> 7986

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tggtgagagc tgtgcgctcg tgcctcgatc catccctcaa ccctccgtgt gtgtttgtaa 120

ggcagcgaga gcagccatgg gcgtggggaa gaaggtgctg aacgacgtga agccgtacat 180

gatgatgatc ctgctgcaga tcgggtaccg ccgggatgta catcgtctcc gtcgcctcgc 240

tcaagcgcgg catgagccac tacgtcctcg tcacctaccg caacctcgtc gccacgctcg 300

tcatgctgcc cttcgccctc ttcttcgaga aggggacacg gcccaagatg acact 355

<210> 7987
<211> 329
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028d08b1

<400> 7987

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tcctctcctt cgtccgaaga gcccgcgccg ccaatggcaa aagctaagct aagggttgca 180

gcagggatgg tcgccactcg ccactattag ctcagatttg gatcggtcgg tggcttttgg 240

cttcggcgtt gctttagtat ctctcctttt atcttttatg gtctcttttg ccgtgccaga 300

aaaacaaagg gaggccatgc cgccactgt 329

<210> 7988
<211> 317
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028d09b1

<400> 7988

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ctgttcttgc tcgtctgcgc ggctgctcga gctgctgcgt cgggcggaga cggcccgctg 180

ctgaacggga acttcgagca cgcgccgaac aggtcgcaga tgaacggctc gagggtgacg 240

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gcgaagcagg accacat 317

<210> 7989
<211> 306
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028d11b1

<400> 7989

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cgcgcaggat gcgctcgccg ccagaggtgc tttgaacaac gtgaagggat acacgggtac 120

ctacacaggc aacccaggcg gtggttacgg cggtggttat gggaacggga agtatccatg 180

ataggccgtg tatgatgata cttggtgcac ggaaatacaa atacgtacgg cagaccatga 240

ataaattgtc acccgttact ggcatatcgt actctctctg atccataata agtttcgcag 300

ttttgt 306

<210> 7990
<211> 248
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028d12b1

<400> 7990

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tggttgctgc ctttcggcgc tggtgctatg gatagattca accgaatggt tgtgacatac 180

ccgattgaaa gaagaagctt tgctcccgcg cacatccagg ccggtgggat tagagtgccc 240

tggtggcg 248

<210> 7991
<211> 254
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028e02b1

<400> 7991

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aatccacgaa cagaagctgg gttgcgggag tacgggttcc gatgaagctg ccgcaatcag 180

ccatatcccc tcaccggttg agccgtcgcc gtcagacgcc agttcgaatt cagacaccaa 240

caccaccact gggg 254

<210> 7992
<211> 109
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028e03b1

<400> 7992

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tttgttggag attatcaacc aatcaataaa agttgcaggg ttttgtttg 109

<210> 7993
<211> 297
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028e04b1

<400> 7993

tgtgtgagac ccgaccagcg acccaacgac ccagcgtcga cctacctcct accctcatcg 60

atccattgat ccattgattt gattgattaa ttgatccgcc accgccacca ccaccgccgt 120

ggagaaagga gggatggcgg cggcgggcgg gaaaggggcg ccgaggcgga cgacgcgggt 180

gggcccgtac gagctcggca agaccgtcgg cgagggcagc ttcgccaagg tcaagatcgc 240

caaggacacc cgcaacgccg tcacctgcgc catcaaggtg ctcgaccgca accacgt 297

<210> 7994
<211> 297
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189028e05b1

<400> 7994

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gaaaatcagc agcctgcttg atagatgttt atcagaatac gacatggagg ctatttattt 120

tgatgaaggt gtcagaacat caaaaagaca tcaacttgag tctaaactct tgcagcttgt 180

caatcctgcg taccaatctc ttcttggtca tttacggact agaactttag aagcattnca 240

aagagtcctt tgatagggcc gttgaaaagg agggatttgc tgttgctgct cgcgatt 297

<210> 7995
<211> 270
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189028e06b1

<400> 7995

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gagaaccagt cctcgtcgtc ccggcctccc cgacaccccg ggaaacaaag cgcctctccg 120

acatcgacag caaggagtct ctgcgggtgc tcatgccggg cgtcttcgtc taccgcggtg 180

gcccggcgcg cnggcgacga cgacccggtg gacgtcatcg gccgagcgct gtccgaggcg 240

ctggtgcact actacccccct cgccgggcgc 270

<210> 7996
<211> 256
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028e07b1

<400> 7996

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ttgaaccaga cgctctactc acacgggtgg gctctacgac atctagaagc gctgacccag 120

gaaacgccgg gctgcgtgac cgaagatcgc gcggctatcc cggcggcgcg cgcggccgtc 180

ggcaacccgg ccgacctggc catggtgcgg atgcaggccg acggccgtct cccgctggcc 240

gaccggagga actacc 256

<210> 7997
<211> 355
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028e08b1

<400> 7997

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gtccggcgct gccccctcac cctgctcgcc ccggcccgca cggcccccg gcggccgacg 180

cccctcctcg tcgcccgcgc caagcgcacc aataactcca ccgctgcccc gaagcgagag 240

gcggacgagg aggtcgaggt cgaggaggag ctgccgtgga tccaggacaa ggcgctggac 300

ctcgttcgag ttcaccggca ccgtcacgca ggccatccct ggcccccgcg tcggc 355

<210> 7998
<211> 302
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028e09b1

<400> 7998

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gaccaatgcc aagaacaaga agagatcagt gaaaatcccc accgggcgag aggagacaag 120

ctccggcccc cgtcctccaa gaacaagaac aagagcaaga aggaatccgg gagcacgagg 180

gaataaagcg gccggaggag accggaaagg ccgaggagaa aaaagctccg gcgacgatgg 240

agaagggatt ggatccggcg ctgctggaca acatcatcgc caggctgctg gaggtgaaga 300

gc 302

<210> 7999
<211> 388
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028e10b1

<400> 7999

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aggagctcaa ggagaagttc gagggtctgt gcaaggtcat caaggaggtg ctgggtgaca 120

aggtggagaa ggtcatcgtc tctgaccgtg ttgtggactc tccttgctgt ctggtgactg 180

gtgagatggg tggactgcca acatggagag gatcatgaag gcccaggcct tgagggactc 240

gagcatggct ggctacatgt cgagcaagaa gaccatggag atcaaccctg agaacgccat 300

catggacgag cttcgcaggc gcgccgacgc cgacaagaac gacaagtctg tcaggacctt 360

gtgatgctgc tcttcgagac ctccctgc 388

<210> 8000
<211> 340
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028e11b1

<400> 8000

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tcagcctgca tctagctagc gcagatgtcg ttccgcagca tagttcgtga tgtcagggac 180

ggtttcggca gcctgtcgag gcggagcttc gacgtgacca tctccggcct ctccggcctc 240

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atagtccagg agagccgctg ggctagcctc cctccggagc 340

<210> 8001
<211> 323
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028e12b1

<400> 8001

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cgacaagggc tggttcgaca tcggcatccg gcgcggtgtt ctcaccaagc atgaccagca 120

gaagaggctg ctcatcaagg ttacccgttc tcctaaccgc ctctacaaat tatttttca 180

acccgtgcat catgtgtgcc ttgccgtggg ccatgttttc gacgcgtggc gttggcatgc 240

caggctagga caccagcact ttgacgggct gcagaagatg acacgaggca accttggtca 300

tgggctacct cacataaagc acg 323

<210> 8002
<211> 286
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028f01b1

<400> 8002

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ctgcacaatt tactgatgct atgggtaatg agatattcac ggtccgccgg ccattttggt 120

tcatcaacag ctccatttat gcagaagtgg atggcaagga ggtaggtgta gtccacaggc 180

gctggcatct ttggcgtaga atttatgatc tgtacttagg gaacaagcaa tttgctgtgg 240

ttgagaatcc tggattttgg aactggactt ttaccctgga ttgatg 286

<210> 8003
<211> 238
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028f02b1

<400> 8003

taaatttccc aatctcctcc cgcactcaac ccaatcccca cctacccgca ccccatggcg 60

ccgaaggcgg agaagaagcc ggcggcgaag aagcccgtgg aggaggagcc cgcggcggag 120

aaggccgaga aggcgcccgc cgggaagaag cccaaggccg agaagcgtct tcccgcggcg 180

ggcaagacct ccgccaagga cggcgacaag aaggccaaga agaagagcaa gaagagcg 238

<210> 8004
<211> 225
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028f03b1

<400> 8004

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tggtaacact gttgcgttgg ttggtttgga tcagttcatc acaaagaatg caaccctgac 120

aaatgagaag gaagttgatg cctgcccaat cagggcaatg aagttctctg tgtcccctgt 180

tgtgcgtgtt gctgttcagt gcaaggtggc ctcctgatct tccca 225

<210> 8005
<211> 299
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189028f04b1

<400> 8005

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ctcctcccta tctatacgcc cacgagcagt atataagcag cctcgccttc taatcctcga 120

ggccacaccc gacccgagag caagaaacaa gcaacgaagt ttctgtttcg agcaaggagt 180

ggtagagatt tcaaacgaga ggttgntcag ttaacccgag ggttgaggag ctgaaagaaa 240

tggcgacgac caagctgtcc ccgctctcgc ctgtgcggcc ggacgacaag cggcgcgcg 299

<210> 8006
<211> 402
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189028f05b1

<400> 8006

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cagatcccag tcgcgtcgtt tcctgatgtt cctagtggcc gggtgactga aattcctgga 120

gaaacttctg tgcttgatgc tgttagaatt ttatctgagc acaacataag ggcggcgcca 180

gtgcttaacc ctgaacctgg ggttccggcc gattggcagg gaggtatctt ggcatcatcg 240

agtactcagc catcatcctt tgggtactag ataatgnctg atctcgcggc cgtagctctg 300

tcagctggat cggcaactgc cgcangagtt ggaatgggcg ctgttggtgc atggggcgtg 360

gcagcattag gtgcaaccgg ccccgcagct gtcgtggatt ga 402

<210> 8007
<211> 303
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028f06b1

<400> 8007

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ttccccagtt tcagccatgt gtaaggagaa gactcacatc aacatcgtgg tcattggcca 120

tgtcgactct ggcaagtcga ccaccactgg ccatctgatc tacaagcttg gaggtatcga 180

caagcgtgtg atcgagaggt tcgagaagga agccgctgag atgaacaaga ggtccttcaa 240

gtacgcctgg gtgcttgaca agctgaaggc cgagcgcgag aaggggtatc accattgata 300

ttg 303

<210> 8008

<211> 262
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028f07b1

<400> 8008

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cagccccaat ggctctgatc agtcgctgtt ctacaattcc accagctact gggatgagtt 120

tgtgtggggc ggtgcgtgga tgtacttcgc cacggggaac acatcatacc tcaccatcgt 180

cacagctgca gggatggcga agcacgcggg agcgttctgg attggtagcc caaacttggg 240

agtgtttacc tgggatgaca ag 262

<210> 8009
<211> 323
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028f08b1

<400> 8009

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cagatagcgc gatcacgcgc atcccccgaa agggaatcgg gttaagattt cccgagccgg 120

catgtggcgg ttgacggcga cgttaggaag tccggagacg ccggcggggg cctcgggaag 180

agttatcttt tctgcttaac ggcctgccaa ccctggaaac ggttcagccg gaggtagggt 240

ccagtggccg gaagagcacc gcacgtcgcg cggtgttcgg tgcgcccccg gcgggccatg 300

aaaatccgga ggagcgagta ccg 323

<210> 8010
<211> 193
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028f09b1

<400> 8010

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tactggctac tggtagcagc agctgatcct gatcgagagc gatggggtgg gcgatcgcgc 120

tgcacggcag cgccggggac atcccgcgca cgctgccgcc ggagcgccgg gagccccgtc 180

tcgccacgct ccg 193

<210> 8011
<211> 376
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189028f10b1

<400> 8011

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gcgacttgtt tgttgtgcat ggaaggggcg gggagcggcg ggaagatggg aggaggagag 120

gggatggccg gccgtgccgg tgccggtgct gcgtgggcgg ccaaggagaa gaccggcttc 180

gccgccacct gcagcctcct gagccgctac atgaaggaga agaagggcgg cgcactgcag 240

ggcctcgtcg gcctcgacat gtcgccgccg gctgccgtcg tcgatgaagg aggagctttc 300

cagccgccca ccaccatgaa cctgctttcg gggctagagg agccaaacgc cgcncacgtg 360

gagctccccc tcgaga 376

<210> 8012
<211> 330
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028f11b1

<400> 8012

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atgaagctga caatcacctt cctcctcctc gtctccgggc tggtggtgtt cggcgacgcc 120

aagaaggcgc cgtgcgccgt ggtgtgcgtc cagggagggc acatcacctg cgacaactac 180

cccgggcaga agctcgacgg gtgcgactgc cagtgcgcgc ccaaggacgg caagggcctg 240

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atgaatacat gcggttcgtc attgctggct 330

<210> 8013
<211> 206

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028g01b1

<400> 8013

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ggggacagcg agaggtgtag gcagcagcag cagccagcgg ggaggctggt tgtggttggt 120

cgtcgcgggc gggatggaga gcgagatgtc ggacgcgcag cccccggcgg ctgcggcgcc 180

cgtcgccgag ccgctcgccg ccgtgg 206

<210> 8014
<211> 168
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028g02b1

<400> 8014

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tcccggccgc ggagcccgag gcccccgcca aggacgttac cgaggaga 168

<210> 8015
<211> 220
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028g03b1

<400> 8015

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gaacaaccca cctggtattc aatgatgaca ttcagggaac 220

<210> 8016
<211> 262
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028g04b1

<400> 8016

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acaaggattc cttctgggga ggtctgggtt ggtaatcctg ccaagttcct aaggaagctg 120

acagaggagg agatcacatt catcgcccaa tcggcagcca actacatcaa cttagctcat 180

gttcacgcca ctgagaattc caagagcttc gatgagattg agctcgagaa gaaactgagg 240

aaggaagttt gctcacaaag at 262

<210> 8017
<211> 234
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028g05b1

<400> 8017

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aaaaggacaa ccaacccgga gcgacgcagc caggcagggg tgaagagaag agaagagagg 120

agaaggagaa aaaaaaaggc ataggcatca ttccagcatc gggttctacg gaggaggtgc 180

cggtttggac atctgatcca tttggagggg tattgaccgc ttcagagcca gagc 234

<210> 8018
<211> 245
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028g06b1

<400> 8018

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aagggacctc gaagacctct tcggcagata tgggagagtg cgacatgtgg atatgaagca 180

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ttgat 245

<210> 8019
<211> 369
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189028g07b1

<400> 8019

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ggctactacc gnctncccaa cacccacgac ccagggatgt tctacttctt cttcgagtcg 360

cggggcaag 369

<210> 8020
<211> 258
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028g08b1

<400> 8020

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tcccaggatt cgcttattga atcgattgta tgcaaagaaa cggaaagaac tacaggagcg 180

ccagaaacta aaggatattc aggtacagca agagcaaaag gatgagcggt ctttggacga 240

gttactttgt tttataaa 258

<210> 8021
<211> 248
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028g09b1

<400> 8021

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tcgtgccgca gcagctttca cccatcgaac tcgtggtgcc cctcataggc acttctctct 180

tggtcatcac gggtgatctg gcttgtctcc ggccatgtcc tcaatagtgg aagacccagc 240

agactatc 248

<210> 8022
<211> 90
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028g10b1

<400> 8022

tcccacgcgt ccgcccacgc gtccgcccac gcgtccgaaa aaaaaaaaaa aaaaaaaaaa 60

aaaaaaaaaa aaaaaaaaaa aggggcggcc 90

<210> 8023
<211> 345
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028g11b1

<400> 8023

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agatggtgaa gatctgctgc atcggagctg gctacgtcgg cggcccaacc atggctgtca 180

ttgccatcaa gtgcccgcat tgagggcggt tgtggacatc tacaagcccc gcattgacgc 240

ctggaacagc gacaccctcc cgatctacga gcccggcctc gattgatgtt gtcaaggcct 300

gcacggggaa gaacctcttc ttagcactga tgttgagaag catgt 345

<210> 8024
<211> 343
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028g12b1

<400> 8024

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gaattagtag aggttccaaa tggtgcggaa catggtgcag aacaggtggt tggagtggcc 180

aagtcaggag aggttattgg agaaattggg gttctttgct ataggcctca attattcact 240

gtccggacaa gatccttatg tcagcttcta cggatgaatc gtacggactt tctcagcatt 300

gttcaatcca atgttggaga tggaactatc atcatgaaca acc 343

<210> 8025
<211> 156
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028h01b1

<400> 8025

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gtttgatgtt attgctgtga aacttccctg tacaagggtg gctggttggt caagagatgt 120

tgcaaggctt catttgcagc tctctgcggc aaaact 156

<210> 8026
<211> 72
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028h02b1

<400> 8026

tatctttgca gctgctagga tgaggttggc agccactgag aaagcggaag cggagaagat 60

actccagatc aa 72

<210> 8027
<211> 191
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028h03b1

<400> 8027

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gattgatgac ttctcatcac tgcttaagac tggagctaag agagcaacat ctggcccttt 180

tcactgctct g 191

<210> 8028
<211> 370
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028h04b1

<400> 8028

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gagcctggca tgacccgttc tatcccctca acggtgcgcc atatctcggt cactacagat 180

ggcgtacaag acatcaatgc tgccatcaac atgctaccga aaaagctgcg caccttgtta 240

gttctgagaa ctcgttcttt ctcctcatat tgccttcaag gagacttctt agcgaagctc 300

aagacttggc gggtgcttga tattagccac tctgattaca ctgaattgcc aatgtccatt 360

tcctgcttaa 370

<210> 8029
<211> 141
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028h05b1

<400> 8029

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accaagaagg agcaggggtt atacacctac tccgacaacc agactggtgt gctcatacaa 120

gtgtttgagg gtgagaggac a 141

<210> 8030
<211> 349
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028h06b1

<400> 8030

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ggaggaggac gtgcgcctgg gcgcgaaccg ctactcggag caccagccca tcggcacggc 120

ggcgcagggc ggcggcgcgg acgagaagga ctacaaggag ccgcccccgg ccccttctt 180

cgaggccggg gagctcacct cctggtcctt ctaccgggcc ggcatcgccg agttcctggc 240

cactttcctc ttcctctaca tctcggtgct caccgtgatt gccgtggtgg gcaacccgtc 300

ggggtccaag tgcggcacgg tcggcatcca gggcatcgcc tggagcttc 349

<210> 8031
<211> 315
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028h08b1

<400> 8031

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tcatcactag ctggcattgt gcaggcgtcg ctgtacgctc acatcagaac cagactggaa 120

gggatcatcc tgacttcacc agctgtgcgt gtaaaaccag cacatccgat tgttggggcc 180

gaggcaccga tattctctat catagcaccc atgttactat tcaagggatc acacaagcgg 240

ggcattccgg tgtatcgcga ccccgccgtg ctgctggcga agtactctga cccactggtc 300

tacaccgggc cgatc 315

<210> 8032
<211> 280
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028h09b1

<400> 8032

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ggggacagcg agaggagaag gcagcagcag cacgcgacgg ggaggctcat tatggtccac 120

atcggccagc ccgatatcca ggtcgataac gcctgctgag agctctactg cctcgagcac 180

ggcatccagc acgatggcac catgcccagt gataccacga gtcggaggtt gcacacgatg 240

cgttcaacac gttcttcagt gagaccggtg cgggcaagca 280

<210> 8033
<211> 376
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028h10b1

<400> 8033

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gcaactgaaa caaagggaac tgttcttata cattctgctg agcagcttga aaactatgct 120

aaaactgagg aagcaaaggt ggaggagctt atcaaatctg tggctgattc aggtgccaag 180

gttattgtca gtggagcagc agttggcgat atggcattgc atttttgtga acgttacaag 240

ctaatggttc tgaaagtcag ctcaaagttt gagcttcgaa gattttgccg tactactggg 300

gctatagcac ttttgaagct tagccgacca aatgtggacg aattaggata tgcagactct 360

gttttggtgg aagaaa 376

<210> 8034
<211> 437
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189028h11b1

<400> 8034

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cggaagcccg gtgactggag taggcgaagc agggagcaat gtcgccaccg acgaagaaag 120

agagggcggc agaggccagg gcgagctcgt caaaaccgat cgtctcggcg gctccccagg 180

ttcagcggcg gagggtgggt ggtaggcggg tggacgagct gccggatatc cttctacgcc 240

tcccgcgtct acttcctgct catcatcctc cagatcccgc tcttcagggt cccttgtaga 300

gcaggcacat gcactacacc tattcaaatt acatcttcac agttggtctc aaatgagata 360

ttcccaccat ctgttgtgaa ggccatgctc taccctggag ttatagtgcg caacctcact 420

caagaatgag catgaca 437

<210> 8035
<211> 279
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029a02b1

<400> 8035

aatcggagct gcggaagcgc gaaggggacg caagggagcg aggcgctgcg cggcagcggg 60

caaaccctag gcgtacggcg ggcgccacaa cccccggcgg agggcaggct ccgcacggct 120

cggctcgatt ctgccggctc tgaccccgcc aagcggccat gtcgaacagg tccatttgca 180

agttctttgt gaatggtgct tgctttaaag gagactactg ccaattctcc catgactgga 240

atgatcaacc aaatgatgtg tgcacattat accagaacg 279

<210> 8036
<211> 271
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029a04b1

<400> 8036

tgctcgccat ggcgcacgcg gcggcggcgg cgcaggtcga cgtgcgcatc gcggagccgg 60

acaaccacac ggacatgccc aacttcgcgc ggctggtgaa ctcggcggac gtgatgatgg 120

gggtgcacgg cgccgggctg accaacatgg tggtcctccc gagccgcgcc gtgctgttgc 180

aggtggtgcc gttcggcggg ctggagtggc tgacccgggt gacctataag gacccggtca 240

aggacttcga cgtgacctac atggagtaca a 271

<210> 8037
<211> 319
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029a05b1

<400> 8037

tgtcgttctg cactagtcgc tgcaagaacc accaccacaa gtgagtgaac gtcggagcaa 60

ggaaaggcag ggagagatgg caatgaggcc gctcgtcgtc ctggctctgg ccgtggcgct 120

ggccggggtg gcgctgcgag ggggcgccgc ggagggggcc ggcgagtgcg ggaggttctc 180

ccccgaccgg atggccctgc gcatggcccc gtgcatctcg gcggcggacg agccggactc 240

ggcgccctcc agcagctgct gctcggcggt gcacacccta gggaagagcc ccagctgcct 300

gtgcgccgtc atgctgttc 319

<210> 8038
<211> 108
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029a06b1

<400> 8038

tacatgctgg gcaactaccc taccgcttgg tgctgaccgt ccgtcggaac ctgcaacagt 60

gggaactctc gccgggagcc ctacaccgcg gctcataaca tgctgctg 108

<210> 8039
<211> 396
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029a08b1

<400> 8039

tcgtaggaag cagcggagac cacacgaatc cccccaccac cctcgcgccc ccctcccagc 60

gcggcgccac caacctcgcc tctcccggcg cgccgagcgg agccgagcgc cgccggagcc 120

ggcggcgggt ctgcgtcagg tccggcctcg tccgtcccgc ggaggcggcg gcagcgcagc 180

gcgcgctcgc ggttggagct taatcttggt tcctgaagct gtagtagggc tctgttatgg 240

cggggtctgt cgcctcgggg ttcttcccca cgccggggtc ttccccggct gcatccgcca 300

gaggctccaa gaacatgtct ggtgaattac ctgagtcttt gagtgtccgt gggatggttg 360

caaagccgaa cacgcctccc gcgtccatgc aagtca 396

<210> 8040
<211> 345
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029a09b1

<400> 8040

tgtatgacac caagggccgc ttccgccttc actctgacaa ggatgaggat gctaacctca 60

agctctgcaa ggtcaggtct gtccagtttg gccagaaggg tatcccctac ctcaacacct 120

atgatggccg caccatccgc tacccagacc cactcatcaa ggccaatgac accatcaagc 180

ttgacctgga gaccaacaag attgtagact tcatcaagtt tgacgtcggc aatgtggaca 240

tggtgactgg tgggcgcaac actgggcgtg ttggtgtgat caagaacagg gagaagcata 300

agggaacctt cgagaccatc cacgttgagg atgcccaggg ccacc 345

<210> 8041
<211> 408
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029a10b1

<400> 8041

ttttaaatca tggcccagcc tctgaggatc cgcctatctg gtctcagata atgcgcttct 60

ttacaaatcc ccggaagcct atgattctgg ctgttgcccg tccatatcct gaaaagaata 120

taacaacact tgtaaaggca tttggtgagt gccgaccact gagggagctc gcaaatctca 180

cactaataat gggtaaccgt gaggctattt caaagatgca caacacgagt gcttctgtct 240

tgacatctgt gcttacacta atagacgaat accatttgta tggtcaagtg gcatacccca 300

agcatcacaa gcactctgaa gttcctgaca tataccgttt agccacaaga actaaggggg 360

cttttgttaa cgtggcttat ttcgaacaat ttggtgttac cttgatag 408

<210> 8042
<211> 224
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029a12b1

<400> 8042

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ggagtcaaag cccgagggcg agacctggga ggagcagttg aggagccaca ccgacacgcg 180

ccccccgcggc ccgcagtcga tcaccttcga cgtctgcttc tatg 224

<210> 8043
<211> 260
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029b01b1

<400> 8043

ttgatcgcga cacactcacc gtctcgccac gtgagaggag aagcccgcag cgccggtgct 60

tgagcggatc gggaaaggat ggccggcggc gcggacgcgg acggggagcg ccggatcggg 120

gtggccatgg actactcggc caccagcaag cgcgcgctgg agtgggccgt ccgcaacctg 180

ctccgccggg gcgacaccgt cgtgtgtctc cacgtgcagc gccacggtgg ggaggacgcc 240

aagcacgccg tctgggccaa 260

<210> 8044
<211> 375
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029b02b1

<400> 8044

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accatggagg caaccaccca ggagcagcgc aggggtgagg atgtggttca tcctctgaag 120

gttagccttg aggaactgta caacggaaca tcaaagaagc tctctcttgc ccgcaatgtg 180

ctctgctcga agtgcaatgg caaggggtca aagtccgggg cttcgatgaa gtgtgccggc 240

tgccaaggtg ctggttacaa ggtgcagata aggcagctgg gaccaggaat gattcagcaa 300

atgcagcagc cttgcaatga gtgcagggga agtggggaga ccatcagcga caaggatcgc 360

tgtgggcagt gcaaa 375

<210> 8045
<211> 353
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029b03b1

<400> 8045

ctgatttaag ggaaagagaa aaggagtttg ttcagaaaaa atccatggag ctcgagcaca 60

taaattctca aaaggtgatg atcatgtcaa aactagatca tgttgcgctt gaattgcaga 120

aacttgagga tgagaggaaa gaggctaatt tggagcgtga aaagagagag caagagctgt 180

ctgagataaa aaacaccatt gaagcccttа ataatcaacg agagaagctg caagagcaaa 240

gaaagcttct acattcagac cgagaatcaa taacagaaca aattcagcaa cttgatgtgt 300

tgaaagaact gaaaagcgat tttgagaaca agcaactgtc tttgatagag tct 353

<210> 8046
<211> 300
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029b06b1

<400> 8046

gggcgcagtc gcaccatcca ccccaacctt cagtgcaggt ctgctcatgt ctcctcctcg 60

aatccacccc tccggaatca ctccagtagc cgcagccgca gacgattcat aggtttcttt 120

ttcagtactt tctttaccaa gcaaacccaa ttcgccgaca ccacttagga ttcagattag 180

aggcggggaa aagcggaaaa agcagatgga gaagacgaca gggatggcag gctcccagcc 240

caccgacacc gagtcgttcg agtacatgct gctggagaag gaccccgacc actaccggac 300

<210> 8047
<211> 262
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029b10b1

<400> 8047

tcccccgccg cgggctagac gcagaccaac ccgggaagcg aggcgggtcg ccgccgccct 60

agggtttccg atggagcccg cggccccctc cgcgtactcg gtctcgccgg ccgcgtcgcc 120

ggcggggagg cggaggacgg cgccggaggc cgcggagctg agggtgcggc ggcggacgct 180

cgagaccgtg ctcgagcagt gccagcgcgc gctcgagctc atgcgcgacg ccgaggggga 240

ggacggggat ccggaggagg ag 262

<210> 8048
<211> 180
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029b11b1

<400> 8048

gggcaacaac aaagagcgcg ggagaaataa gcggagcacg ccaagcagag agagagagag 60

aaggcggcgg cggcgacggc gacgactaca gcggcggcga cggcggcggc ggaggggccg 120

ggggaggtga accacgccca cagcctggag cagtggacca agcagaccga ggaggccaac 180

<210> 8049
<211> 332
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029b12b1

<400> 8049

acctcgtggt gggagtagcc cgcaatggga ttttttttcc tgatgctttt gtcgtgaggc 60

aagaaggacg aaggcatata caacaattga acatagagac cgagaaggcg aaaacaaaag 120

cggctcgggc ccggcccgat cccggatctt cgccgccggc gacgccggtt ggagaggtga 180

tgggggaggt gcgcggtgct ctatagcagc tagtaggtgt agttctagtt tttccttaga 240

ggagtttggc ctagtgccgg agattggcgt catgccgatg aggattttgc tgccggcgcg 300

cccgagccgc gttcggtggt tcctggcgat ac 332

<210> 8050
<211> 305
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029c01b1

<400> 8050

ttcatgcgtc cgctcgccgg catttcctcc cacttgcggc tgttgcggcg gcggcggcca 60

ccgtccaccg ggtgtggagg cgagatgtcg tacatgcgag gcgatctgct gacgaagacg 120

cggaaactgg tgaaggggct ggccaagccc gcccctgcct ggctcaaggc catggagcag 180

gcacctccag tcacattccc tagaactgat ggtaaaatcg agaagataga actgccagag 240

gatgtctatg tcaagaggtt cttcagaagg catcctgatt cactctacca tgatgcaata 300

aagat 305

<210> 8051
<211> 276
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029c02b1

<400> 8051

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gaaagcagaa tggtgaagct cgcattcggg agctgcggtg actccttcag cgccacgtcc 120

gtcagggcgt atgtggcgga gttcatcgcc accctcctct tcgtgtttgc cggcgttggg 180

tccgccattg cctatgggaa actcaccgat gatggcgcgc tcgacccggc tggccttgtg 240

gcgatcgcga tcgcccacgc cttcgccctc ttcgtc 276

<210> 8052
<211> 401
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029c06b1

<400> 8052

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tgatactgct atgaagctta ggtccgatcg agaagcctat gatgatttcc gttcttttca 120

gcaaaggcca caagccctct ctggtctgtt gtttgaggag caatttgcaa atgcttatac 180

gataaatatt ttccagaagt tccaggatca gttaaagcag ctgatgaatg tgacttgcac 240

tgaagtcagt aggaatggat cgatagtgac ctacactgtg accgtcattg ggaaggagag 300

gaagtttgac tatagagtga tgtataatag tgccgagaaa gaagtgtggt gtatctgcag 360

atccttccag tttaaaggta ttttgtgtag ccatgctctt g 401

<210> 8053
<211> 274
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029c08b1

<400> 8053

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gcggcgagca agggcgcgat ggcgtccaag aggatacaga atgagcttaa ggatctgcag 120

aaggaccccc ctacctcatg cagcgcaggt cctgtgggtg aagatatgtt ccattggcag 180

gcaacaataa tgggcccatc tgacagccca tattctggtg gagttttcct agttactatc 240

cacttgcctc ctgattattc tttcaaacca ccaa 274

<210> 8054
<211> 257
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029c09b1

<400> 8054

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accgccagct ccagttccag ctcctgcacc gccttctcgc gctctcgtcg ctgctcctcc 120

tcgcctccgg agaggtcatc ttcgaggagc gattcgaaga tggttgggag actcggtggg 180

tcaaatccga taggaagaag agcgaaggga aagccggtat gctcaagcac acggcaggaa 240

aatattctgg agatcct 257

<210> 8055
<211> 389
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029c12b1

<400> 8055

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cttctctggt ctttttagcg gcagccagca ggaacacaca agaaattcag gtcccgttca 180

aggggtcctt cttctgggat tattagatcg gaagaagcgc cctcctcttg ctcgggattc 240

tcctgatttc ttgctaacct cactactctc ctaggaggaa cagagagatc cagagaacct 300

tttttctctc ctggattctt gccttttttc agccttgttt tgctccggta cggcgagaaa 360

gggttctttt gcaataccct tctagttcg 389

<210> 8056
<211> 300
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029d01b1

<400> 8056

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gagctcaccg gcagccacct cgacgaggtg aagcggatgg tggcgcagtt ccgcgagccc 120

gtggtgaaga tcgagggcgc cagcctccgc gtcggccagg tggcggccgt ggcccaggcc 180

aaggacgcgt cgggcatctc cgtggagctc gacgaggagg cgcggccccg cgtcaaggcc 240

agcagcgagt ggatcctcag ctgcctcgcc ggcggcggcg acatctacgg cgtcaccacc 300

<210> 8057
<211> 408
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029d02b1

<400> 8057

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ggtgcctgtg tatctgaggt ggagcatgca cgggtataca atgtcgacga cttgaaagag 120

gtggtggaag ccaataagga agaccgtgtg aggaaagcaa tggaggccca aacaatcatt 180

acccaagaac tgaaacggtt cgaggcatgg agggactcac tggagacggt tccgaccatc 240

aaaaagctga ggtcgtacgc cgacaggatc agggcatccg agctcgagaa gtgtctgcag 300

aagatcgggg aagacaatct caacaagaag atgagaaggt ccatcgagga gctgagcacg 360

ggcatagtga acaagctcct tcacggccca ctgcagcacc tgagatgc 408

<210> 8058
<211> 198
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029d03b1

<400> 8058

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caaccgcgtc ttcaacgagg ggatgaagaa ccattccatc atcatcacca agaagctcct 120

cgagtcctac aagggcttcg agggcctcaa cgcccccgcc cacgtcgacg agggtgttga 180

ggccctcgaa gcccttgt 198

<210> 8059
<211> 397
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029d04b1

<400> 8059

ttctatcccc tcatcgcctc cgctcccacg ccgccgaatc cgagacctga tctcggattc 60

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ggaatggcac cggaaggttc ccagtttgac gctaagaact atgattctaa gatgcaggag 180

ctgctgaacc aaggtgagac tgaggagttc ttcacctctt atgatgaagt tcacgagagc 240

tttgatgaca tgggtctcca agagaacctc ctgaggggaa tttatgctta tggttttgag 300

aagccttctg ccatccagca aaggggaatc gttcctttct gcaagggcct tgatgttatc 360

cagcaagcac aatctggaac aggaaagact gctactt 397

<210> 8060
<211> 249
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029d06b1

<400> 8060

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cgagccgttt gggagtcgtg ctggctttag cggctgtcgt ccttcttgcc gcagcggggg 120

ccgtcgtcgg gcaatccacg ccacggccac ccaacgccca gggcccgaag ccgtagccga 180

agccgatgaa ggtcaagtgc actgagaacc gcaaggagaa cccctactgt ttcaaccgga 240

acatggact 249

<210> 8061
<211> 277
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029d09b1

<400> 8061

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gcgcaggcgc actggatctg gccttcgtta ccgtcgccgt actgctctcc ccggccctgt 120

ccgcacctct ggacggcgcc ggcttccact cggcgacgtg cccgcagctg gagagcatcg 180

agctgtcctc cgtccaggcg gcgctccagc gtgaggtggc gctcgccgcc ggcctccttc 240

gcatcttctt acacgactgc ttcccgcagg gctgcga 277

<210> 8062
<211> 405
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029d10b1

<400> 8062

ccagcctgct tgcacacgcc accggcgtcg tttcagcccc tccatggccg ccccggcgcc 60

ggaggagtgc ctcgacgtgc tcaccgccgc cggcgacaag acgggcgtct ccaagcccag 120

gtcggaggtg caccgggacg gggactacca ccgcgcggtg cacgtgtgga tctactgcga 180

gagcaccggg gagctgctgc tgcagcgccg cgccgactgc aaggactcgt ggcccggcca 240

gtgggacatc tccagcgccg gccacatctg cgccggggac tcctccctct ccttcgcgcg 300

gagggagctc caagaagaac taggcatcaa gcttccagtc gatgcttttg agctcatctt 360

cgtttttctt caggaatgcg tcatcaacat tgggacttac accaa 405

<210> 8063
<211> 342
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029e05b1

<400> 8063

gcggacgcgt gggaggcgcc accacccttt tttggacccc tacaaggcct accacgccaa 60

cgggtgcgtg cacgacaagg ccaccaacaa gacggcctgc cccgccggca gcgacgcctg 120

gatgcgccgc gagctcggcg aggaggagct caagaccgtc gcctgggccg agcgcaactg 180

cctgtactac aactactgcg ccgacggctg gaggttcccc aagggattcc ccggcgagtg 240

cggacgcgac ctatgatgaa ttgatgattc agtgtttgta gcactagcag tacacctccg 300

agccgagatt tcattgatta atttcttcct ttgctacagt ac 342

<210> 8064
<211> 339
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029e07b1

<400> 8064

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tatcccagta gccgacaggg ggtttgagag cgtacagcgg ggtcaatcga tcgagcgcca 120

agaatggcgg cgtcagggag cgctcagagc cgactgttcg ccgcagcgtg cggcgttctc 180

agccgctgca tcaaggcggc ggacgcgcgg ccggcggcca cggtggtcct ccccctcatg 240

cccggagcgg aagtgcccgc gcaagacgag cacacggtgg gttctgcgcc ggggcacgcg 300

cagatgacca tcttctacgg cgggcaggtg ctggtgctg 339

<210> 8065
<211> 388
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029e08b1

<400> 8065

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ctggccgagg cgctggccgg cgtggcgctg ggaggggggcg cggccgaggg ggccggcgag 120

tgcgggaggg cctcccccga ccggatggcc ctgcgcatgg ccccgtgcat ctcggcggcg 180

gacgagccgg actcggcgcc ctccagcagc tgctgctcgg cggtgcacac catcggcaag 240

agccccagct gcctgtgcgc cgtcatgctg tccggcaccg ccaagatggc cgggatcagg 300

cccgaggtcg ccatcaccat ccccaagcgc tgcaacatcg tcgaccgtcc cgtcggctac 360

aagtgcggag attacacgct gccttgat 388

<210> 8066
<211> 426
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029e09b1

<400> 8066

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tgctgcttca gcctttcttc accactgacc tcctgtacaa gcttgtgaag gagtgtgagg 180

ccatgctcga ccagctcctg ccatcaagca aaccatctgt atcaattgaa gagggaaaag 240

aagatggcaa cactgcggac cagcatctga accccagttc ttccttggct aacagcagat 300

gtattccgga gcttgatgag attgagttca tggagagcat gtacatgaag agcacggttg 360

cggcgcttag ggctctgaaa gagatccgaa gcaaaagctc cacagtcagt gctttctcgt 420

tgccac 426

<210> 8067
<211> 357
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029e10b1

<400> 8067

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cgcccgctgc caccgcaaga tcgagagggt gctcgacagg atcagagaga agggcgagtt 180

cgtcatcgac gacatcgagt acgatgagaa gaacaacaag gtgatcgtga agggcccctt 240

cgacgccgac aagctctccg acaagctctg ctgtaaggcc tgcaagatca tcaaggagat 300

cgagatcgtc gagccgccgc cgtcgtcagc gccggaggag cccaagaaag aggcgcc 357

<210> 8068
<211> 302
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029e11b1

<400> 8068

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tcgctgcctt ccaagagtgc cgctaccgtt ggcgaccaga ccagcagagg aacgccgctg 120

gcagaggatg aggagtcctt ccttctccac catgaagcac gcctgcttcc actcctcgcc 180

gccgaagtcg gatgcgtgcg cagatgcagt tgaaggaaag gggcgggcct caaggccgga 240

cctcaaggag atgcagcacc ggaacatcat caggctgcag gacgtggtgc ataacgagaa 300

ga 302

<210> 8069
<211> 314
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029e12b1

<400> 8069

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gcaagatggt gaagggacgc accggccagc gcgtgaggct ctacgtccgc ggcaccatcc 120

tcggatacaa gcggtccaag tcgaaccagt acgagacggc gtcgctggtg cagatcgagg 180

gggtgaacac catggaggac gtggcctggt acggcggcaa gaggatggcc tacgtctaca 240

aggccaagac caagagcaac ggcacccact accgctgcat ctggggcaag gtctctcgcc 300

cccacggcaa cacc 314

<210> 8070
<211> 365
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029f01b1

<400> 8070

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ggcggcagca gctggttcat gctgcacatg atgccgtcct tgtcgtcgtc gcgggcatcg 120

tccaacgtac cctcggagaa gggggacggc gacgaaagcg aggacgacga cgacgaggta 180

ctcatccccg gcctgccgac ccggttcacg ttcgtcgacc tggagacggc caccaacggc 240

ttcaagtggc agatcggctc cggcgggttc ggcttcgtgt accgcggcga gctcccggac 300

cggaccaccg tggccgtcaa gcggatgaac aacctgtgca tgcagggccg gcgcgagttc 360

ctcac 365

<210> 8071
<211> 259
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029f02b1

<400> 8071

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tctagcatct ccggtgaagc aagcaagcag agagatggcg tcccctcgtc gcatggccgc 120

cgcgcccgcc gtcctcctcc tcgtcctgct cctactcgtc gccacggaga tggggacgat 180

gaagactgcg gaggcccgga cgtgcctgtc gcagagccac aagatcaagg gcacctgcct 240

cagcaacagc aactgcgcc 259

<210> 8072
<211> 247
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029f03b1

<400> 8072

cggcgatgga tttcgagctg ttgtttgcgc gggagaagct ggattgggag cagcgggagc 60

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gccgccgcga cgcgctcgag gcctaaaaca gggggcgccg cctcgacgcc gaccgggcgc 180

aggaagaggc tgaccagaaa atggaagagg tgatgcaact aggaaagggg atctttttt 240

cacacat 247

<210> 8073
<211> 387
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029f04b1

<400> 8073

tgcccgaacg gtctgtgtca atgaatggat ggtgccttgc tttccgagcc tgtggtgacc 60

ggctgattgt cattggaggc ccaaggactt ctattggtgg catcattgag cttaattcat 120

gggttcccga tgggcaaccg cctgtgtgga atttggttgc cacacggcaa tccgggaact 180

ttgtgtataa ctgcgccgtg atgggttgct gagtccactg aataaagatt ggatgcagtg 240

gatatttatg aaggatgata gtatgcacaa aggcagcccg ttcaattgct ccagccctga 300

ttcttcgtag cgatttatgc cttctgccca gttaactgga catctgctga gcggcagcac 360

tcatgtaacc cttgagttct aatactt 387

<210> 8074
<211> 141
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029f05b1

<400> 8074

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caccggcgca acgtacacgc ctacatcatg tatatacaga attacagtat attgttcaga 120

aaaaaatcaa caaattgtta a 141

<210> 8075
<211> 358
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029f06b1

<400> 8075

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atcagcgctg catgatcaat cgttgcaggt gggaactgtc ttcaaggcgc gcagatctcg 180

aaataggttc tcatcccccc ctatagataa agcagcggtc aacacgcaca gatggttgaa 240

caacgctgag atcatggtca tggaagagaa catggaagac tcgggcggta ttagacactc 300

tcatacagat taatattgac cacctgctta attagttaat acattgtaac acccccctc 358

<210> 8076
<211> 338
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029f08b1

<400> 8076

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tgcgtggcca tcgccggcgc ggactactgc ggggtcgcca gcgacacccg cctatccgtc 180

ggatacaaca tcctgacgcg cgagcactcc aagatctgcg agctggccga aaaatgtgta 240

atagcatctt ctggctttca aggtgacatc aaagctgtac agaagaactc agctgccagg 300

gaactgctat accaggacca gcacaataaa aggatgag 338

<210> 8077
<211> 393
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029f10b1

<400> 8077

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ggtgcccgcc ggcgacagcc cctacgtccg ggccaagcac ctccagctcg tggagaagga 180

cgcggaggcg tcggtcgtgt ggttctggaa ggcgatcaac tccggggaca gggtggacag 240

cgcgctcaag gacatggccg tggtgatgaa gcagcaggac cgcgctgagg aggcgataga 300

ggccatcaga tccttcaggc acctctgctc caggcaggcc caggagtccc tcgacaacct 360

gctcattgac ctctacaaga aatgtggaaa agt 393

<210> 8078
<211> 333
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029f11b1

<400> 8078

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aaacaaggct taaggaagtt aattctgttg ggatgaaaga ttgggctaat attcagactg 120

atattgttgg tctaattata aagaagcttg gcattcctga ctacatcaga ttccgtgctg 180

tatgcacgtc atggaaccat atctgcaagg aagtatccaa ccatccaagg gtggacccat 240

ggctgatgct ccccacaaag ccgcttgatg gtgctaagtt ttttagctta cctgaaaaaa 300

agactcaaac catgcatatc ccgagtgttg cca 333

<210> 8079
<211> 459
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029f12b1

<400> 8079

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ggctctcggc tcgccacgcg gagacggcac gagccccgat gccgtcgccc cgccgcgccg 120

gcgcgggcga cacgagcgcc ttcttcgcgg cgacgctggt gctgtgggcc gtgtcggtgg 180

ggttcgagat cggcgcccgg ggacgccgcg agctggccgc cgtggccgcc ggcttcgcct 240

tcttccaggc cgccaacacg gccgtccgcg ccgcggtctc ccgcgacccg ctcttcgtca 300

acaccgccgt ctcgctgctc cactcctccc tcacctgcgc ctcagttatc tttgttctat 360

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gcagttggat tggagcatat tctgctctgt gcttttcat 459

<210> 8080
<211> 265
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029g01b1

<400> 8080

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cgtggttgtg tcgcgtctgt tttcggtatt tgggggggtt ttgagtaagt actatgtgtt 180

gtgttcgagt gttgggtgag tggatctgaa agtgggttct agattggagc tgttttcgcg 240

tcttattaag attatattac aacag 265

<210> 8081
<211> 217
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029g02b1

<400> 8081

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gcagacagcc tgatggccag atgcccggag acaagaaccg cgggggaggt gatgatgctc 180

tcaacacctc cttcagcgag actggggcag ggaagca 217

<210> 8082
<211> 360
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029g03b1

<400> 8082

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gggacgaggc cctcaacacc cagcccgagc gcctcatctg gaacctcatg ggcatgatga 180

acaactgctg gttccgggtc aagatcaacg tctgccgccc ccacaagggc gagatcggcc 240

tcgtattcga ccaccccacg cagcccggga accagtccgg cggctggatg gcgcggcaga 300

agcacatcga gacgtccgag accacgcagg gcacgctcaa gcggagcacc tgcacgccct 360

<210> 8083
<211> 414
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029g04b1

<400> 8083

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aagatcattg agctccgagt ctaaagtaca gattgctgag gaacaatctc aaaataatac 120

acttcagagt gaggacagtg gaatttttgt tggtgttgac gattccaaga gccttcagat 180

gagtgaagtt ttctcgtcaa ccatttctgc taatatgaat tcacttctgg aggtgttcga 240

gggtggttcg ttggagatga aagtcatgga aaaagttgga tgcctcaaat actcggctac 300

acaatgggaa tcagataaac ccgacgaata tcaaagacaa attcattaca agtttagcag 360

gaagttgtct cctgttggag gagaagtgac tgggacccag ctgaaatctc ctat 414

<210> 8084
<211> 212
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029g05b1

<400> 8084

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gagagcccgc gggcgggctg gagccggacc cgatgctcac gacgccccca ggcgacaagg 180

ggtgcgtccc cttcttcttt ggggcacggg ag 212

<210> 8085
<211> 394
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029g06b1

<400> 8085

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ggtgagctat ttgaaaggat ctgtggttct ggaagattta gcgagaatga ggctaggttc 120

ttcttccaac aattgctttc aggagttagc tattgccatt ccatgcaaat atgtcataga 180

gatttgaaac tagaaaatac gctcctggat gggagcgaag caccccggct caagatatgt 240

gatttcggtt actccaagtc ctctgtgttg cactctcagc caaaatcgac cgtgggtact 300

cctgcctaca tcgcccccga ggtcctttct agaagggaat atgatggaaa ggtcgctgat 360

gtttggtcct gtggagtaac tctatatgtg atgc 394

<210> 8086
<211> 328
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029g08b1

<400> 8086

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tccaggcgca gtcggacctg tggcgccaca ccctctgcta cctcacgcct atggcgctcc 120

ggtgcgccgt cgaccttggc gtccccactg ccattcaccg cctcggcggc gccgcgtccc 180

catccgaact cgtcgccgcc ctatccctcc ccacgtccaa gctgcccttc ctcgcccgcc 240

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tcaacccgct ctcgtacctc ctggtaga 328

<210> 8087
<211> 419
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029g10b1

<400> 8087

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aacttgctat caccggcgcc gttccacagg agcatggagg cggacgacgg cggcggtggc 240

ggcggcggca gggggaggag gtccatcgag gttgacttct tctccgacga gaagaagaac 300

atgaagaaga gccgcgcatc ggccggtgct gacgcggagg accacaagga tcaggcctcc 360

gccgccgact cgccatcaag aaggaggacc tcaccattaa cctgcttacc gggaacaac 419

<210> 8088
<211> 426
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029g11b1

<400> 8088

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cccgatctgg aagaatcgaa gagacatgag aatcgacgca tcgcctcatg cgcatccgcc 120

cctcccgatc cttttcggtc cacgatcgct agcagaggga tcccctcgag agaggaggac 180

gagcgatcgg tcttgctgat ccgtcggtgc gaaagggaag atgagggcat ctggtcgccg 240

cgactttgag gaccagggat cggtcagctt ctcggctccg gcaagccgat gctctgcagg 300

aaacacaaag gtccgtcccg cccgccattg cggaccaggc ctcgggcacc gaccctcgat 360

ctcttcttcc tcgtcattcc gggactcgca attcactgac gtcgacctta ctggccacct 420

ggcaca 426

<210> 8089
<211> 411
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029g12b1

<400> 8089

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tatcacatcc cctccaaggt ggtgtgtccg gagcagcaga gtgtcgatgt gatgatgaac 180

gcactgcgcg aatatttctt ctatggtcgt gaggtcttcg aagagcgtcg cgagaaattc 240

ctggcagtga ttgtgaactg cggcttggtg ccgtacctca cggaagtgcc agcgtacgat 300

acacttgttg aacaatattt ggcatccagt gccaagtatg ctccgggtgg tcggtgcgaa 360

caatgcagtg cttaggcgct gcgcgtgggg cctaccttat aaggtccctt c 411

<210> 8090
<211> 105
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029h01b1

<400> 8090

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accctaatct tccgcctcga tctgtcccgc cgcaggagag atccc 105

<210> 8091
<211> 363
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029h03b1

<400> 8091

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ttttgccatt ttggccggga gcagaggagg gaggagatgg ccaaggggga gagggagggg 120

cgcctccccc tcttgctgct gctgctgctt gtcttgtgcc tcttggccca gtccaggatc 180

gccgtcgtcg ccacccaccc acaggatgcg gctgctctca aatccttgat gaggaaatgg 240

tcaaatgtgc ctgctagctg gaggaagaaa tcgaatgatc cttgcggcga caaatgggat 300

ggaattgaat gcaatggtgc caactcaagg gttacatcac taaatctttt tggcatgaac 360

atg 363

<210> 8092
<211> 423
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029h04b1

<400> 8092

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aaacgcagta caagatccag ttccaggggc agcaacaaca tcagaatcag catcaacagc 180

accaccacaa cgttgtcagg ccgaacgcca cctcgtgcgg cggcggcaac ccgcctggcg 240

ctgccgctcc cagcgcgccg gcggcggcaa cgacgacagc cggatctttc ctgggcatgg 300

tccagtagat ccatccatca ccccggtgac tagctctctc tctccccata ccccaatcaa 360

ttccatcggt ggctttctac cttctctttc tctctttctt ggaccatttg tatctaccta 420

cct 423

<210> 8093
<211> 315
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029h05b1

<400> 8093

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ggacgttgca tacagcggat gtattgtagc ttgtcgaaag gaaagtaaca cttggtttgt 180

tgtacaggga tttatagaac ttttttgctt agatcaattt cactttgtaa gctgtatatt 240

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ctgtgcgact cgttc 315

<210> 8094
<211> 493
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029h06b1

<400> 8094

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gcatcatttc catctttgtt gcatactcga atggatggag cgaagcgaga cttgcccagt 120

ctgtgaccag ataactttga tagatgagat gtatgaatag catgttgacc ctggtggatc 180

ctctctagga gcccgtgcgt gcctaccgag gaggtttagt actagtcctt ttctctatgg 240

ggaagtaaaa tcagcaaact actctgctcc taatatgata gtatgatctg gtggaggagg 300

tgctactgga atgcatcttg ggagaacaaa tgggaaataa tgaaaggaag gaacccgcaa 360

gaaatatgct ctaaaaaaac catccatccc tgtgtttata ctagcatttg tgtcaagttt 420

atggtaacag gaggattagc aggctgcatc tgcaatatgc acttcatact agtcgaaact 480

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<210> 8095
<211> 319
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029h07b1

<400> 8095

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acagacacga ggctcggggc cggcccaatc attcccatca tcccatggac cgatcggcta 120

ccggcgggag agggtactac tactcggcgg cgccggtggg cacgggcatg ggcatgggcc 180

cgctcgcggg ccagctcggc gagtggctgc tccgggccgt gcagccgccg gcgcccacgc 240

cgtgcgggtc gcccggcggg cccccgatca ccgagccgtg ggtccggatg agggacggcc 300

ggcacttggc gtacgagga 319

<210> 8096
<211> 420
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029h09b1

<400> 8096

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gtcgtctgac acgatcaaca atgtcaaggc caagatccag gacaaggagg gaatccctcc 180

ggaccagcag cgcctcatct ttgctggcaa gcagctagag gatggccgca ccctggctga 240

ctacaacatc cagaaggagt ccaccctcca cctggtgctc cgcctccgcg gaggcatgca 300

gatctttgtc aagaccctca ccggcaagac catcaccttg gaggtggagt cctcggacac 360

catcgacaat gtgaaggcga agatccagga caaggagggc attcccccgg accagcagcg 420

<210> 8097
<211> 458
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029h10b1

<400> 8097

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ggcggagcag ttcgcggagt cagcgaacaa tgtaatcatc gaagaggtga acaagggcct 120

gaaccctgga atgatagtcc tgcttgtggt tgcgaccacc ctgctgcttt tctttgttgg 180

gaactatgcg ctgtacctgt atgcgcagaa gacgctccct ccgaagaaga agaagccagt 240

ctccaagaag aagctcaaga gggaaaagct gaagcaaggg gtttctgcac caggggagtg 300

aagagaccca tcgatttctc atgtcgattg ctttatgctg ggctcctttt tttacctgat 360

aaaaaatata taccagctgg agctgcagtg ttgagcgact gtttatgtag aagccttgtc 420

ttgagtggta catcgtcggt attggacacc ttatttaa 458

<210> 8098
<211> 199
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029h11b1

<400> 8098

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ccgacaagct ccacgtcggc ggcggcgacc actcctgctc gtcctccgac tccgacaagg 180

aggagcagcc gtgcccctc 199

<210> 8099
<211> 424
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189029h12b1

<400> 8099

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atgtgcttga tgaggctgag aggtccttgc atgatgccct atgtgtgctt tctcagacag 180

taactgacac gcgtgtcata tatggtggtg gatggcctga gatggtgatg tccaaggagg 240

tggatgaact tgcaaggaag acccctggga agaaatctca cgcgattgat gccttttcac 300

gcgccctgca agccatccca acaatcattg ctgacaatgc tgctctggat agtgctgagc 360

tgatctccca gctccgagcc gagcaccaca aagtgaacag cactgctgga attgatgtca 420

tcag 424

<210> 8100
<211> 242
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030a01b1

<400> 8100

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agtcgtcgcc gtgaagaagc ttcggcccct cggcggtgcg gacgaagact atgagttcct 180

gtcagagata gagctgctgt cgcggctgaa ccactgccac gtggtgccat tgctggggta 240

ct 242

<210> 8101
<211> 147
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030a04b1

<400> 8101

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aacatatgga tcaaaggacc aaggaattcg caaggaagca tcaggatcct acgggctaaa 120

aggtgaaagg gatttaaaag aaatctc 147

<210> 8102

<211> 308
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030a08b1

<400> 8102

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tcctcgccgt ccggccggcg cctgtcggag ctgctggagg agaggcagga gcccttcttc 180

cttgacctcc acctcctgga gaagggctgc tcgggctggc tcctcgatgg ctatgacacc 240

gccctgtgct ggccagccgc agccgccggc aacgacgcgg cgtccgtgct caagcgactc 300

accagcaa 308

<210> 8103
<211> 393
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030b01b1

<400> 8103

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agcttcacac cctgaactta agcaaagcga agatttgagg acatttttgc aggcagatga 120

agagaaaatg gatagagcaa ggtcttttga gactggtata tttaagaagc cgggagattt 180

catacagatg tttaaggatg tacagtcaaa agtcagcgat gttgttttgg gaaaagaaaa 240

gccagtggaa gagtctactc ctgaatatga gaagcttaaa cattacatat ttgagctaga 300

aaatcatcta gcagaggccc agaaacaagc atttcgcctt gtaaaaaggc acagagaact 360

tgggcaatct ttggcggact ttgggaaagc gat 393

<210> 8104
<211> 65
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030b02b1

<400> 8104

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cctcc 65

<210> 8105
<211> 133
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030b04b1

<400> 8105

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ggtctctaga gccggcggcc gaccacaagg cctcgtcatc cttcggcaac cttctctcca 120

tctttctccg ggt 133

<210> 8106
<211> 150
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030b05b1

<400> 8106

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caagtacttt gagtcccgcg tccacaagta 150

<210> 8107
<211> 205
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030b06b1

<400> 8107

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ctacttccag ggccaggaca agtac 205

<210> 8108
<211> 150
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030b10b1

<400> 8108

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gctgctatgg tcgccggtgt gcaccaccgc ggtgagctcc tcccccactc cccttcgacg 120

tgcccacgac ccgcgccatc gtcgtccacg 150

<210> 8109
<211> 131
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030c01b1

<400> 8109

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gccagtacgg cgtgatcctc gacgccaaga tcatctacga ccgctagacg gggcggtccc 120

gtgggttcgg c 131

<210> 8110
<211> 234
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030c02b1

<400> 8110

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gcggcgtcgc tctcgtcgtc gtcctcgctg ctgatggctg cgacggccgt caaggggggac 180

gaggagcggt acgtcatggt ggcgtcgagg ttcttccggg tgaagccggg cgct 234

<210> 8111
<211> 316
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030c08b1

<400> 8111

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ctgatcatgg cattattcgg atagagcgag aatcagcctt ggctctagag ctaatgaagg 120

aaaaagagaa ggcaacaact ccacctgctg aacaaaagac ggagagattg caaagtttca 180

aggaagaaca caagaatgcg ctccacaggg cgaaaacctt ggatgttcct catgcgatag 240

acatctctga agaggaaacc catgagggcg cttcatcttc cgatactcac agcgaggcga 300

cttcatcaga accaaa 316

<210> 8112
<211> 228
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030c09b1

<400> 8112

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ctgctcttag tgcacagcct gcattggtgc agaatgaaca gaaactgctt gagaagatca 120

atattctgtg tctgatggag ataatcttca gccggccatc agaagataga actatcccat 180

taagtgttat tgccaagcag actaagcttt caaccagcaa agtggaat 228

<210> 8113
<211> 249
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030c11b1

<400> 8113

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tgggaagctc tcatcatgaa tcgataaagt gtcagaaagc tattactgag ctctttgtga 180

aatacaacat acgtttctct ggaatatcaa ggtctttttt caagaattct caaagtctgg 240

ctgacaggc 249

<210> 8114
<211> 209
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030d01b1

<400> 8114

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cgcgccggcg ctcaacaagg acgactacc 209

<210> 8115
<211> 324
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030d02b1

<400> 8115

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caccaccatc cccaccaaga aggagcaggt cttctccacc tactccgaca accagcctgg 180

tgtgctcatc caggtttttg agggtgagag gacaaggacc agggacaaca acctgcttgg 240

caagtttgag ctctccggca tcccgcctgc acccaggggt gttccccaga tcactgtctg 300

cttcgacatt gatgccaacg gtat 324

<210> 8116
<211> 295
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030d04b1

<400> 8116

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tctccaggcg gcatgggcaa gcagggcggt ctccccggtg accgcaagcc gggcgacggt 120

gccgccggcg acaagaagga caagaagttc gagccccccg ccgcaccgtc gcgcgtgggg 180

cgcaagcagc ggaaacagag gggccccgag gcggcggcgc ggctgccccc cgtggcgccg 240

ctctccaagt gccgtctccg tcttctcaag ctggaccgcg tcaaggacta ccttc 295

<210> 8117
<211> 280
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030d05b1

<400> 8117

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cgtactttga tgtggacgag gtggcggacc ggtcggagga caagagcccc tcgccccaca 180

tgctgccctc gcccgaccag tttgccgcct ggatggaccg ccacaacatc acccctgatg 240

accacgtgct tctctacgat cactccaacg gcctcctcac 280

<210> 8118
<211> 273
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030d06b1

<400> 8118

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ggaggacaag agcccctcgc cccacatgct gccctcgccc gaccagttcg ccgcctggat 180

ggaccgccac aacatcaccc ctgatgacca cgtgctcctc tacgatcact ccaacggcct 240

cctcactgcg tctgctcgcg tctggcggac ctt 273

<210> 8119
<211> 236
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030d07b1

<400> 8119

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gggtgcagat gccctgcaga agctgcaaga gaaatggaag tccacggcgg cgccgtaccc 180

ggccatgtac tcgagcttct tgggcgggat catcctggac ccggccatga tggccc 236

<210> 8120
<211> 358
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030d08b1

<400> 8120

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aatggagggc aaggaggagg acgtgcgcct gggcgcgaac cgctactcgg agcgccagcc 120

catcggcacg gcggcgcagg gcggcggcgc ggacgagaag gactacaagg agccgccccc 180

ggcgcccctc ttcgaggcgg aggagctcac ctcctggtcc ttctaccggg ccggcatcgc 240

cgagttcctg gccaccttcc tcttcctcta catctcggtg ctcaccgtga tgggcgtggt 300

gggcaacccg tcggggtcca agtgcggcac ggtgggcatc cagggcatcg cctggagc 358

<210> 8121
<211> 185
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030d10b1

<400> 8121

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agaccaccaa gtactcgtgc actgtcattg atgctcctgg tcaccgtgat ttcatcaaga 180

acatg 185

<210> 8122

<211> 293
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030d12b1

<400> 8122

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caagatgcca atggagaggt cggtgtcgct ggctgagagg agaaccgccg ccgtcgcgcc 120

ggccaacgac ctccggtgcc acagcgcctc ctacgccgtc tcctacgcgc ccaccaaggt 180

gcagcgcgac aggagcacca cctccctgtc ccgccccgtg gcggcgaccg ccgtgcagcg 240

gagcggcagc acgaggaccg tctccggcgc cggcgccggc cccaccccgg ggc 293

<210> 8123
<211> 251
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030e01b1

<400> 8123

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atgcttgagg gcatgttaag ctctcagaaa tcacctgcca gaacaaaggc tttcgatctg 180

attctgaacc ttgggattca tgcacacctg ctggagccta tgatagttga agatgcacca 240

cttattgaaa a 251

<210> 8124
<211> 240
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030e02b1

<400> 8124

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tggagtcggg cggcgtggag atgacggcgc cgccgggcgc cgcggcgggg gcgagcctgg 180

accgcttctt cgaggacgtg gagtccatca aggacgacct gcgggagctg gagcggatcc 240

<210> 8125
<211> 204
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030e04b1

<400> 8125

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ctggaagtcc tacgacctct acatcgccgg ggacgggggc agcgccgcct cgccggcctc 120

cgggccggca ttttccgcct ggtagaggga gcgcccgcag ctgcactgac tagacacagt 180

gattccctcg ccggctgggc ggcc 204

<210> 8126
<211> 269
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030e05b1

<400> 8126

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actcgcggca ggctttcgtg agcgtgcctc atggcagctg gcgaatcctg aagatccctc 120

tcgatagcta cttacctaca tggaaaggaa acgtgatcga agcgaacatg gaaatgaatc 180

cttctcgcgt cgtgggaatg tctctctcgc taaatgcaga aggcggcgtt cctggcgcta 240

agactgggcc aggcgattct agattagac 269

<210> 8127
<211> 288
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030e07b1

<400> 8127

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ttcacggagg aatcggagtg gccgcccttg gcctacccaa tacaagtctt ctcttcaagg 120

acatggagat gggaggagag gtcgctggcc cggagaggag aggctgcagg gaccatcgct 180

gacatggatc catataggga ttatgaacac cgttatgccg tctactggaa aggagcgatc 240

tatgtgcatt gtcaaaatga ctccatttta cgcataacct taacggat 288

<210> 8128
<211> 248
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030e08b1

<400> 8128

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cggtgaagag caaggggcg gagaagccgg ccgccaaggg gaagaagggc aaggccggca 180

aggaccccaa caagcccaag agggcgccat ccgccttctt cgtcttcatg ggcgagttcc 240

gcgaggag 248

<210> 8129
<211> 255
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030f01b1

<400> 8129

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ccggaggcat gtcggccaag aagatcgtgg tgaagctgga gctccatgac aacaaggaca 120

agcagaaggc catgaaagcc gtctccgttc tcgtcggcat cgatgccata tccatggacc 180

tggcgtcgcg caagatgacg gtgatcggca cggtggaccc ggtgcacgtg gtgagcaagc 240

tgcgcaaggg ctggg 255

<210> 8130
<211> 328
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030f04b1

<400> 8130

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cgggcgacgg tgccgccggc gacaagaagg acaagaagtt cgagcccccc gccgcaccgt 180

cgcgcgtggg gcgcaagcag cggaaacaga ggggccccga ggcggcggcg cggctgcccc 240

ccgtggcgcc gctctccaag tgccgcctcc gccttctcaa gctggaccgc gtcaaggact 300

accttctcat ggaggaggag ttcgtcgc 328

<210> 8131
<211> 292
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030f07b1

<400> 8131

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gctgaatggt gatactgctc aagcaaatgg gcagatctgc tttactagaa atacttcatc 120

acttgtaaag cctcctaaat ataagcagtc tgaggattta aaaagcagac acagtctaac 180

accgcagctg ccaatcaatt gccctgcggc ttcgaagcct cttgtgcatc ctataaccaa 240

tgagaacact ctcaacactt tggtctcttc attacctgtt ctagagcatg ct 292

<210> 8132
<211> 287
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030f08b1

<400> 8132

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acgaggggat gccgatgtac cagaggcctt tcatgaaggg caagctctac attcatttca 120

cggtggagtt tcccgactcg ctggcaccgg atcagtgcaa ggctctcgag gctgtgcttc 180

caccaaagcc tgcatccaag ctgaccgaca tggagctcga tgaatgcgag gagacgacaa 240

tgcatgacgt caacatggag gaggagatgc gtcggaaagc ccatgct 287

<210> 8133
<211> 200
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030f09b1

<400> 8133

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aagaaaccgg atttcttgat gcagtctgag ccggaagttt ttgatccaaa aaagcctcaa 120

cctgttaaga agaccttgaa ggtaaaagtg cacatgggtg atggctggcg gatggacttc 180

aagcagacac actttgacca 200

<210> 8134
<211> 333
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030f10b1

<400> 8134

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gcaaatctat tgtaaacaca ttatctaagc actggacaac aactagagaa gctgaatttc 120

ttgcttcaac aattgtttca tcccttgctg agaaacgtca aaaacatgag aaattccttc 180

aatttcttgt cttgtccaag tgccatgaag aactatcttc aaaacaaaga gctgcaatgc 240

taagtgtcat ggaacatgga gaaaagctct ctggaatgat ccatcttaga gaattacaaa 300

atgcccttag ccagcagagt tcaagcacac gtt 333

<210> 8135
<211> 201
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030g01b1

<400> 8135

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catcctctcc tcaagaacca tactattcag atgcggcctt cttacaaccc aagaggcatg 120

catcatgact ccaacatcac agcccatgca atcactcaaa tatggcatca aaatggcacg 180

tgccctaaga acaccatacc a 201

<210> 8136
<211> 327
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030g02b1

<400> 8136

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caaagttgct gttgccaaga agggcgatgc caaggcccag gctgccaagg ttgccaaggc 120

tgtgaagtcc gggtcaatca agaagaccgc aaagaagatc cgcacgtctg tgacatttca 180

ccgtcccaag accctgtcca aggccaggga ccccaagtac cccaggatca gcacccctgg 240

caggaacaag ttagaccagt accagatact caagtacccg cttaccactg agtctgcgat 300

gaagaagatt gaagacaaca acaccct 327

<210> 8137
<211> 332
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030g04b1

<400> 8137

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tggcgctcaa gtcggccctt gacctccgcc tcgccgacgc catccaccac cacggcggcg 180

ccgccaccct ccctcagata gccgccaggg tcgcggtgca cccgtccaag atcccctgcc 240

tgcgccgtct catgcgcacg ctcaccgtct cgggcgtctt cagcgtcgtc cagcagcagg 300

acgtcgtcgt tcctgctgcc cccgtgagca ac 332

<210> 8138
<211> 187
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030g05b1

<400> 8138

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ccttgtcccc ctccgcgccg cgccgagggc cggcgaaatc tgccgccttt gtcagcgttc 120

cgggggggacg gccccggggg cggcggccgg tgctggcggc ggcgctgggc gacatggaca 180

tgcgccc 187

<210> 8139
<211> 198
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030g06b1

<400> 8139

gtccaccgcg cctcgaggac cttgtccccc tccgcgccgt gccgcgggcc ggcgaaatct 60

gccgcctttg tcagcgttcc ggggggacgg ccccgggggc ggcggccggt gctggcggcg 120

gcgctgggcg acatggacat gcgccccgcc attgacgaga accccgaggg cgtgctctcc 180

ggcgagtggc ccggcaac 198

<210> 8140
<211> 109
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030g07b1

<400> 8140

tgaaaggcca taagcctagc tctcaccgga gtaacatatt gaagatccac caccaccacc 60

acgatgacga cgatgatgac gatgatgatg atggtggtgg tggtggtgg 109

<210> 8141
<211> 313
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030g08b1

<400> 8141

ataaaaccag aatatcagaa tgaaacatca tggctgcttg cgcaaaagga gctacagaag 60

ataaacatgt ataaggctcc aagggataag cttgcttgca tcctgaactg ttgtaaagtc 120

atcaataact tacttatgaa tgcttctcat atgtcacatg ataacccccc tggagctgac 180

gaatttcttc cagtcctcat ctatgtcacc ataaaggcta atcctccgca gttacactca 240

aatcttttat acatacaaag atacaggtgc caatcacgac tggtgtcaga ggctcaatat 300

ttttttacaa acc 313

<210> 8142
<211> 204
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030g09b1

<400> 8142

tggctagaca acacgaagag atgcatccag ttaaggtgaa ggtgaaggac ggctcgagcg 60

cgctgagggc caagctggcg gagaaggtgg aggcggcgac gtcgaggtcg cacgacgagc 120

ggaagctggc gcacgagcgc ggcagggcca aggtcgccgc ggccgaggcg cagctgcaca 180

gggagaaggt cgcgcaccgg gagg 204

<210> 8143
<211> 165
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030g10b1

<400> 8143

gactgaaagg tggattggtc atatcattca tgaacatggc atcactggta aacttggatt 60

tatcacacaa caatttgaca ggagctattc cagactacca aataaagtca ctcaaagttc 120

tcgatttgtc atataaccag cttgatgggc caatcccgga ttcta 165

<210> 8144
<211> 180
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030g12b1

<400> 8144

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ccatcaccct tgcctgtccc atgcagctcc atttttgctc tctctgtagg ggagaaccgc 120

cgccactgga aagtagtttt acgttatctt taactagttt gtttctagat ttgaagagcc 180

<210> 8145
<211> 268
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030h01b1

<400> 8145

ttttctcgtc cgcccacgcg tccgttctcc acctactcgg acaaccagcc tggtgtgctc 60

atccaggtgt acgagggtga gaggaccagg acccgtgaca acaacctcct tggcaagttc 120

gagctgtccg gcatccctcc tgcacccagg ggagttcccc agatcactgt ctgctttgac 180

attgatgcca atggtatcct gaacgtgtct gccgaggaca agacgactgg gcagaagaac 240

aagatcacca tcaccaacga caagggca 268

<210> 8146
<211> 294
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030h02b1

<400> 8146

gaatactttg ataatactct gttggagtac ctagtcagtg aatacaaaag atctgataat 60

attgatctgt caaaagacag actagctctg caaaggttgc gtgaagcagc tgagaaggca 120

aaaattgaac tctcatcaac tgcacagact gagatcaacc ttccttttat cacggctgat 180

gctgctggag caaaacattt gaatataaca ttgacaagat caaagtttga aagtttggtg 240

aatggtctca ttgcaaggac tagagaccca tgcaagaatt gtttgaagga tgct 294

<210> 8147
<211> 192
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030h03b1

<400> 8147

ctatatatca aacacccaga taaagagtgt caccagatca aatgcaaagt aaagagtgac 60

aaatagtcaa tgtaccaagt aaggggtggc aaataatcaa attcccctca ataaacctac 120

atctatggcc accttcaccc gatcaccgct cccgccggcc gaccccgaga aggagaagcc 180

gctcgcccgc tc 192

<210> 8148
<211> 300
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189030h05b1

<400> 8148

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cagctagcta ggccaggaca atcaacagcg aagatggcct ccctcaccgt ctcgcagacg 120

acaccggcgg ccggcaacgc caacaagcag cgcgagggcg cggagatcat caccggcgct 180

gaggcgtgct acgagcactc caaggagctc ctcaaggggc tggggttccc gggcggggtg 240

atgccgctgc gcgggctgga agagtgcggg ctggtgcggg agaccgggta cgtgtggatg 300

<210> 8149
<211> 326
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030h06b1

<400> 8149

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cgaagatggc ctccctcacc gtctcgcaga cgacaccggc ggccggcaac gccaacaagc 120

agcgcgaggg cgcggagatc atcaccggcg ctgaggcgtg ctacgagcac tccaaggagc 180

tcctcaaggg gctggggttc ccgggcggag tgatgccgct gcgcgggctg gaagagtgcg 240

ggctggtgcg ggagaccggg tacgtgtgga tgcggcaggg aaagccctac gagcaccact 300

ttcgcgccac gggcacccgg gtgcgc 326

<210> 8150
<211> 211
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030h08b1

<400> 8150

tgctcccgcg aggcgaccgg ggggcaaccc taaatcccgc cggtctccgc cccctgtccc 60

ctccccctcc ctcgccgccg cccgtgggcg cggctgggca aagcccagcc gtcgccggcg 120

gcggcggggc ctcatcgtcc tcctgctcgg gcggtgctgg cgcgggccgg cgcctcgggt 180

cggagcgtgg agctgtgccg ggcgacacgg c 211

<210> 8151
<211> 228
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030h09b1

<400> 8151

cgtcgcctct ccctctccca cacgaaacca gctatccccc gaatccgtga gatccgagga 60

gggtcgcctc gcctcggcac tagcatccgc ggcgtcgaag atgggatcgg aggcggacat 120

gaccgggccc ctcctcgccg gcggcagcgg cgtcgcgccg gcggcggaag cggaggtggt 180

gccgccgtgg cgggagcagc tcacggtgcg gggcatagtg gtcagcgc 228

<210> 8152
<211> 181
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030h10b1

<400> 8152

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gggtcgtcgc cgacggcgga ctgctgccgg tccctgtcgg cggtggtgac cacgagcacc 120

agctgcgcct gcctcatcct gaccggcaac gtgccgctcg gcctgcccat caaccggacc 180

c 181

<210> 8153
<211> 296
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030h11b1

<400> 8153

tcttctcttc acaacaagaa gcggacgcta gctagagcct atgagcagag gaggcggagg 60

acgaggaaga agaagcttca cacacagcgc gggcgccatg agggggagga ggagggggag 120

cagcggcacg gccaccgact tcctcgtctg cttcccgccg cgggcgcacc tggcgctgat 180

gccgcccaag acggtctgca gcccgtcgag gccgtccgcg agctccgagc gccggcacag 240

caccagcggc gcccggccgt cgtcgtcgtc gtccagggcg gccaccaaca ggaacc 296

<210> 8154
<211> 285
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189030h12b1

<400> 8154

ttcttgtgtt gcggtgatca gctggttggc tctgccagct atgttcacca tcttcaactt 60

ctgtgctcag aaggacgtgt ccaactgggg cctgttcttc tgtgtggcag ttggtctgtg 120

ggctggtctg attattgggt ttgtgaccga atactacact agcaatgcct acagccctgt 180

gcaagatgtt gccgattcct gcagaactgg tgctgccacc aacgtcatct tcggtcttgc 240

ccttggttac aagtcagtca tcatcccaat tttcggtatt gctgt 285

<210> 8155
<211> 362
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033a11b1

<400> 8155

ttggaactgg ctctggcctt ggctcgcttc tcctggagcg cctctctgtt gactatggaa 60

agaagtccaa gcttgggttc acggtgtacc catctcccca ggtctccacc tctgttgttg 120

agccatacaa cagtgtcctg tccacccact cactccttga gcacactgat gtctctatcc 180

ttcttgacaa tgaggccatc tatgacatct gccgccgctc ccttgacatt gagcgcccaa 240

catacaccaa cctcaacagg cttgtttctc aggtcatttc atcactgaca gcttccctga 300

ggtttgatgg cgctctgaat gttgatgtca atgaattcca gaccaacttg gtgccctacc 360

cg 362

<210> 8156
<211> 326
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033b01b1

<400> 8156

cttttccgtc ttcccggtgt tccgctcccg cagcagcacc aacaccaaca cggttgcttc 60

taccccagcg gcggaaggaa tctagagccc cctcctgccc cggcgccggg cggggcctcg 120

acgggtaaat cgcgacggca ccctagaacc cccgagcagc cagacgatgg aggaccgcgg 180

caggcagctg cggaggcggc tgcgcgcggc gaatgggggа ctacgtgctg ctgcgcccga 240

tcgggtcggg ggcctactcg caggtctgga tggggaagca cgtcgcgcgg tgcaccgagg 300

tggccgacaa ggagatcgcc atggac 326

<210> 8157
<211> 307
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033b05b1

<400> 8157

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ttctaataca aggagcattc tgtgataaca ctgcaggggg gactggagcc acaagccgga 180

catgtgtgtg cgctgatcat ccgcttggtg aatctaactc caatagcaat ctgccatgca 240

cctgcaactg ctcgtgccat tggctaccag atgaaaacgg cggcacacgg tcatggaact 300

gctcgtg 307

<210> 8158
<211> 375
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033b07b1

<400> 8158

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tcccccagcg gcggaaggaa tctcgagccc cctcctcccc cggcgccggg cggggcctcg 120

acgggtaaat cgcgacggcg ccctagaacc cccgagcagc cggacgatgg aggaccgagg 180

cggcagctgc agaggcgggg gcgcgcggag ggtgggggac tacgtgctgc tgcgcccgat 240

cgggtcgggg gcctactcgc aggtctggct ggggaagcac gcctcgcggt gcaccaaggt 300

ggccgtcaag gagatcgcca tggaccgcct cagcgcgaag ctccgagaca gcctcctttc 360

cgaggtcgac atcct 375

<210> 8159
<211> 440
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033c06b1

<400> 8159

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cccgcgaaga agcccctgcc accggagatc tcccgacctc tcccctcgcc gcccgcccgg 120

agatctcccg gactgtccct ccgccatcat gggtaagaca cgtggtatgg gagccgggcg 180

caagctcaag acccaccgca ggaaccagag gtgggctgac aaggcataca agaagagcca 240

cttgggcaat gagtggaaga aacccttcgc tggatcgtct cacgccaagg gcattgtttt 300

ggagaagatc ggtattgagg ccaagcagcc taactctgcc atccgtaagt gtgctcgtgt 360

ccagctggtg aagaacggga agaagatcgc tgcctttgtg cccaatgatg gttgcctgaa 420

cttcatcgag gaaaacgacg 440

<210> 8160
<211> 65

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033c07b1

<400> 8160

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gcacg 65

<210> 8161
<211> 221
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033c08b1

<400> 8161

gtgggcgtgc gccacgcccc cttggcgata gacctttcga aaaccgacgc gccaaccgcc 60

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atggtgcgga ttagcaacac ggtgatcggg atcctgaacg cggcgacctt gctgctctcg 180

gtgcccattc tggcgggcgg catctggctg ggggcgcgcg c 221

<210> 8162
<211> 362
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033c11b1

<400> 8162

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cccacctcaa gctcgtttac ctgaccctat gctttgccct ggcctcatct gccgtgggtg 120

cttacctgca cattgccctg aacatcggtg ggatgctgac aatgcttgcg tgtatcggaa 180

ccattgcctg gatgttctct gtgccagtct atgaggagag gaagaggttt gggctgctga 240

tgggtgcagc cctcctggaa ggggcttcgg ttggacctct gattgagctt gccatagact 300

ttgacccaag catcctcgtg acagggtttg ttggaaccgc catcgccttt gggtgcttct 360

ct 362

<210> 8163
<211> 96
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033c12b1

<400> 8163

cttacgcgtc ggcgagcttc gttcccttcc cattaagcct gcccgttacc tccgccccaa 60

tctgagatgg accgcctgtc actggcaatc taccaa 96

<210> 8164
<211> 496
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033d01b1

<400> 8164

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ttctgtacct gcttgacaat gatacatcat ggatgattct tgctagctct ggagttggtg 120

tgtgcattga attctggaag ataggaaaag cgatgcatgt tgagattgac agaagtggaa 180

agattcccat gttgagattc cgggatcgtg agtcatatgc acagaataag accaaggagt 240

atgatgcgct tgcgatgaag tatcttacat atgtccttct agtccttatg gctggttttg 300

ctatctattc actcaagtat gataaacaca agagctggta ctcgtggata ctctcttccc 360

tcacaagttg tgtttacatg tttggtttca ttatgatgtg cccacaatta tttatcaact 420

acaagctgaa gtccgttgct cacatgccat ggagacaaat gacctacaag ttcctcaaca 480

ctataattga tgatct 496

<210> 8165
<211> 432
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033d03b1

<400> 8165

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atggcgtccg agctcacgta ccgcggcggg gccgcgtccc cgtccgcggg cgccgccggc 180

gccgccggcg agtactcctc cccgaagccc gccagctcca agccgctcgc gtggctgccc 240

cgcgccgccc gctacgccgc ggccgagcac cgcccgctct tcgccctcgt cggcatgctc 300

gtcgccgccg ccatcttctg cctcgccgcc ccctccggct ccggctccgg caccgccgcc 360

ccctactcct cctccggacg cgtctccggc gcgctcaccc gcttctccgt cgaccccgcc 420

gcgcacaacc ct 432

<210> 8166
<211> 430
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033d04b1

<400> 8166

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aatccccgcg agtggggcgc gggcctcggc ggcgcgcggc accccggcgt gccgtacacc 120

ttcttctccc agcggcccgg gtgcagggtc accctgtacc aggacgcgca caccccggac 180

gcgttcgcgc ccaggatccc gctctccggc ggtcggacct accagcaggg ccggtgctgg 240

gaggacgtgt tcgacgccat cagtgacgcg cgccacctga tatacgtcac cggctggtcg 300

gtgtacaccg agatcacgct gatacgggac ggctcccggc cgcgccccgg cggcgacgcc 360

accctcggcg agctcctcaa gcgcaaggcc agcgagggcg tgcgcgtgct catgctggtc 420

tgggatgacc 430

<210> 8167
<211> 307
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033d05b1

<400> 8167

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ctcttcgcgg ggcggggcgg cgcggcacag cacagcggag ccggcggaga tgtcgggagt 120

gacggtggac gaggacaaga agcccgcgga cgacggtgga ggcgcccaca ttaacctaaa 180

ggtcaagggg caggatggca atgaggtttt cttgcgcatc aagagatcca cacagctgaa 240

gaagctgatg aacgcttact gcgaccgcca gtctgtggat ctcaactcca ttgctttcct 300

ttttgat 307

<210> 8168
<211> 472
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033d06b1

<400> 8168

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tgacggcgga cgaggacaag aagcccgcgg gcgacggtgg aggcgcccac atcaacctca 180

aggtcaaggg gcaggatggc aatgaggttt tcttccgcat caagagatcc acacagctga 240

agaagctgat gaacgcttac tgcgaccgtc agtctgtgga tctcaactcc attgctttcc 300

tttttgatgg tcgtaggctc cgtggtgagc agacccctga tgagcttgag atggaggaag 360

gcgacgagat cgacgccatg cttcaccaga ccggagggtg ctttcctggc ccttagaagg 420

agcttgctgc agcctggctg ttctatgtcg tatgctacct ttagaactag ag 472

<210> 8169
<211> 462
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033d07b1

<400> 8169

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gcggcttcag atgccttcac tcgcgtcgga ggtgctgaca aaaattgccc ggagctggcg 120

cgcgtgtgca cgtgggtggt ggggctgtgc tgggcccagc catggactac atggccatgg 180

acagaagctg aactgatgat gaccttcgac caccatatgc taataatgcg cataatagga 240

gtataacagg cagcggacgt gccagtggta atggcagagc tattgctcct gtcagtggta 300

atggaagggg cattgctcct gccagctcgt accctagagc ccagaccgat atggaaacac 360

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ctgatgccct cacatgggag aaggagggtc tgattactga ac 462

<210> 8170
<211> 429
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033d09b1

<400> 8170

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cagatggtca agggacacct ttccttttc atcatggtag aaatgctgca agttcaacaa 120

gtggtgcatt catgcgtatg ttcaaaggat ccactagttc tggagaagat tatgagttcc 180

caagagctat agcgtttgct gcttcggcaa tccgtagttc agctattgtt gctgtcactt 240

gtgacaaaga catcatcact ggtgggcatg cggactgttc ggtgaagttg atctccccag 300

acggagcaag gacaattgaa agtgcttctg ggcatcttgc tccagtaacc tgccttgcac 360

tttcccctga tagcaactac cttgtgacag gctctcgaga tactacagtt atactctgga 420

ggattcatc 429

<210> 8171
<211> 283
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033d10b1

<400> 8171

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ttattgtccc agcggaccgg atgcagggtc accctgtacc aggacgcgca caccccggac 180

gcgttcgcgc ccaggatccc gctctggggc ggtcggacct accaagatgg acagagctgg 240

gaggacttgt tagacgccac tagtgacgcg cgccacctga tat 283

<210> 8172
<211> 389

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033d11b1

<400> 8172

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tgacggcgga cgaggacaag aagcccgcgg gcgacggtgg aggcgcccac atcaacctca 180

aggtcaaggg gcaggatggc aatgaggttt tcttccgcat caagagatcc acacagctga 240

agaagctgat gaacgcttac tgcgaccgtc agtctgtgga tctcaactcc attgctttcc 300

tttttgatgg tcgtaggctc cgtggtgagc agacccctga tgagcttgag atggaggaag 360

gcgacgagat cgacgccatg cttcaccag 389

<210> 8173
<211> 415
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033e01b1

<400> 8173

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gcacacggag cgcaatcaga agacatccta ctccatcacg ctccaggggg tggtcggccc 120

tgaccgcgcc ttcaccgacg tctgcatcgg ctggccgggc tccatgccgg acgatcaggt 180

gctcgagaaa tccatgctgc accagcgcgc cgcggcgggt atgatgcacg acgcttgcct 240

cgtcggcggc gcaagctacc cgctcatgga ctgggtgctc gtgccgtaca cgcaccagaa 300

cctgacatgg acgcagcacg ccttcaacga gaaggtcggc gacatccgca acgtggccgt 360

ggaggcgttc gcgcggctca agacgcggtg ggcgtgcctc cagaagcgca cggag 415

<210> 8174
<211> 456
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033e02b1

<400> 8174

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ctggcctcga gcgtcctcaa gtgcggcaag ggcaaggtct ggctcgaccc caatgaggtc 120

aacgagatct ccatggccaa ctcccggcag aacatccgga agctggtgaa ggatggtttc 180

atcatcagga agcctcagaa gatccactcc aggtctcgtg caaggagggc acatgaggcc 240

aagcagaagg gccgtcactc tggatatggt aagcgtaggg gtaccaggga ggctaggctc 300

cccaccaaga tcctgtggat gcggaggatg cgtgtcctga ggcgccttct gcgcaagtac 360

cgtgaggcca agaagatcga caagcacatg taccatgaca tgtacctgaa ggtcaagggt 420

aacatgttca agaacaagag ggtcctcatg gagagt 456

<210> 8175
<211> 487
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033e03b1

<400> 8175

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atcttccaag gctggtaaga agggcaaaga atctagtgat agctcagatt ctgactcaga 120

ttcagattct gaagaagata ccaccgctaa aacagtctct gtaaagaaag aagaatctag 180

cggcagctca gatagcgact cggattcaga ttctgatgaa ccagcaaaat ctactattcc 240

tgcgaagagg cctctgacaa cagagaaaaa gagtgaacat tccaaggatg attctgatga 300

tagttctgat gagagtgatg aggaagagcc tccacaaaag aagcctaagg attcatcttc 360

tggtgctgcc aagccagtct ctaaggctgc caagaaagaa agcagtgatg atgatgacag 420

ttctgaagag agctctgaca gtgatgagga aaagagtaaa tcggtgtcag tggcaaaacc 480

caagcag 487

<210> 8176
<211> 498
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033e04b1

<400> 8176

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gcgcgtggcg aattcccctc tccctctctc acgctgcagc gaccccggag gcgacgtcgg 120

cggccacagc ttgccgaaat ggcatcatct tcggacccat ggatgaaaga gtacactgaa 180

gcatctaagc ttgttgatga tataagctcc atgattgccg atagaagttc tcttccacaa 240

tcaggccccg aaattatgcg ccacacatca gccatccgga gaaaaataac cattcttggg 300

actagactgg atagctcggt gacattgttg tccaggattc ctccaaagtc actcactgac 360

aaggagatgc ataagcgcca agatgcactt tccaatttga aatctaaagc aaaacagatg 420

gggacaagtt tcaacgtgtc aaactttgcc aacagggagg atttgcttgg tcagagtaag 480

acagcagctg atgatatg 498

<210> 8177
<211> 461
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033e05b1

<400> 8177

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agccggccgc cgccgagatg cagccgcccg tcggctcccc caccgccgct ccccaatccg 120

aggtccagca cccgctgtct acccctgatc cttcctctcc ccccgctccc gcaccggcgc 180

cggacccggc cgatccgccc tcgtccgcgc ccgccctggc gccggtgcag ctgcagccgc 240

agcagcatcc caagaccgtc acgtggagcg agaagctcac gtccgagtcg cccacctacg 300

tgccggccgc cgccgccgcg gagtccagcc agtacgtctc ccgcgggccc gccgtctcct 360

cctacaaggg cgcggtggag gcgatgaagg acacgctgtc gaggtggggg aagtccatgg 420

cggagaccac cagcatggtc gagagcctca gccgcgacac g 461

<210> 8178
<211> 403
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033e06b1

<400> 8178

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tatggaggga ttctctcaga agtcaccaca gggttgggac cttgatgatc gaacaggagg 180

gtgcatcaga aatactccat tgcagtgcac tagcaagaag aacacgataa attcaacgga 240

caagttccac cccattgctc gtgttacatt gacctatgaa ccccgaagca tgggcaatgc 300

taccactcag agcgaatgcg cagaaactcg tctcggatcc tgctcctgca ctgcttacac 360

ctataacagt agcgggtgct ctatctggca tggggaattg ctt 403

<210> 8179
<211> 484
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033e08b1

<400> 8179

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gccgacagcc gaggcagtcc accaccgcgc catggcgccg cccccgagca ccagcgcccc 120

cgacggcggc ctggatccca gggacgtgtg cgtcgtcggc gtcgcccgca cgcccatcgg 180

cgccctgctc ggctccctct cctccctccc cgccaccagg ctcggctccg tcgccatcca 240

gggtgctctc cggcgagcca gcgtcgaccc ggcgctggtg caggaggtgt tcatgggcaa 300

cgtcctcagc gccaacctcg gccaggcccc cgccaggcag gccgccctcg gcgccggcct 360

gcccaacacc gtcccctgca ccaccgtcaa caaagtctgc tcctcgggga tgaaggctgt 420

catgcttgct gtgcagtcga ttcagctggg gatcaacgac gtcgtggtcg ccggcggcat 480

ggag 484

<210> 8180
<211> 457
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033e09b1

<400> 8180

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accttcctct tcctctacat ctcggtgctc accgtgatgg gcgtggtggg caacccgtcc 120

gggtccaagt gcggcacggt cggcatccag ggcatcgcct ggagcttcgg cggcatgatc 180

ttcgtgctcg tctactgcac cgccggcatc tccggcggcc acatcaaccc cgcggtcacc 240

ttcgggctgt tcctggccag gaagctgtcg ctcaccaggg ccgtgttcta catcgtgatg 300

cagtgcctgg gcgccatatg cggcgccggc gtggtgaagg ggttccagac cacgctgtac 360

cagggcaacg gcggcggcgc caactccgtc gcgcccgggt acaccaaggg ggacgggctc 420

ggcgccgaga tcgtcggcac gttcgtgctg gtgtaca 457

<210> 8181
<211> 320
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033e12b1

<400> 8181

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tgtatggagg gattctctca gaagtcacca catggttggg accttgatga tcgaacagga 180

gggtgcatca gaaatactcc attgcagtgc actagcaaga agaacacgat aaattcaacg 240

gacaagttcc accccattgc tcgtgttaca ttgacctatg aaccccgaag catgggcaat 300

gctaccactc agagcgaatg 320

<210> 8182
<211> 450
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033f01b1

<400> 8182

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tcgccagcgg cgcacccacc aaccaccccc acccgccgcc atgagggagt gcatctcgat 120

ccacatcggc caggccggca tccaggtcgg gaacgcgtgc tgggagctgt actgcctcga 180

gcatggcatt cagcctgatg gccagatgcc cggtgacaag accgttgggg gaggtgatga 240

tgctttcaac accttcttca gcgagactgg ggctgggaag cacgtccccc gtgctgtctt 300

cgtagatctc gagcccactg tgattgatga ggtgaggact ggcgcttacc gccagctctt 360

ccaccctgag cagcttatca gtggcaagga ggatgcagcc aacaacttcg cccgtggtca 420

ttacaccatt ggcaaggaga ttgttgatct 450

<210> 8183
<211> 385
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033f02b1

<400> 8183

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ggactgccgc cgccgcccga gatggcgatc cgccgtgggc cctcctgcgc cgccctcgcc 120

ctgctcgcgc tggcctccgt cgccgcggtc tccgccgacg tcttcttcca ggagaagttc 180

taagatggtt gggaaagccg gtgggtcaag tctgagtgga agaaggatga gaacatggct 240

ggtgaatgga accacacatc tggaaaatgg catggagatg ctgaggacaa aggtatccaa 300

acctcagagg actacaggtt ctacgccatc tcggcggagt accctgagtt cagcaccaag 360

gacaagacac ttgtgctgca gttca 385

<210> 8184
<211> 446
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033f06b1

<400> 8184

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cgccgcctcc cggcagcgtc gtccccccat ggcgctgccg aaccagaaca ccgtcgatta 120

ccccagcttc aagctcgtca tcgtcggcga tggcgggact ggcaaaacca cttttgtgaa 180

gaggcatctc actggagagt ttgagaagaa atatgagccc actattggtg ttgaagttca 240

cccattggat ttcaccacta actgtggaaa gatccgtttc tactgctggg acactgctgg 300

gcaagagaag tttggtggcc ttagggatgg atactatatc catggtcagt gtgcgataat 360

catgtttgat gtcacttcaa ggctgacata caagaatgtt cctacgtggc acagggactt 420

gcgcagggtg tgtgagaaca tcccca 446

<210> 8185
<211> 451
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033f08b1

<400> 8185

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acggaatccg gccggattgc gcgtgaattc agagcagtcg aggcatgcca taagaagagc 180

aggggagca aatgtggcgt ctcttcaacg agctgtggga cgttctagga tccgggtttt 240

tctcgtccag gttcctataa gcctaacaag tcagcgactc gcctctcccg tcgcatcaaa 300

tcaagtccat ccatccattg catcggtcca tctggtcggt cggcatggac gaggaggatt 360

actcgtgggt gcggcggacg aggttctccc actccgtcgt ccgctccaac tccggcaggg 420

agcagttcgg cgccttcgtc gagcagttca a 451

<210> 8186
<211> 421
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033f09b1

<400> 8186

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acacaaggag gcgggttgcc agcagccgga gggcccaatc ctatgcgtta ataactgtgg 180

cttctttggc agtgcggcga ccatgaacat gtgctccaag tgccacaagg agatggtcat 240

gaagcaggaa caggccaagc tggctgcctc ctccttcgat agcatcgtca acggtggcga 300

cggtgggaaa gcacctgttg ttgcggctgt agccgcgagc gcagaggtgg tggttgctca 360

agttgacgtg aaggcgctcg ttgtgcagcc tgctgctgat gttgcaggca ccagcgaagc 420

t

<210> 8187
<211> 462
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033f10b1

<400> 8187

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agcggatctt cggcgccggc gggatgggcc agccgccgtc ggactcgccg ttgctcgact 120

cctccgagca ggtctacatc tcctccctcg ccctcctcaa gatgctcaag cacgggaggg 180

ccggcgtgcc gatggaggtc atgggcctca tgctcggcga gttcgtcgac gactacacgg 240

tccgggtggt cgacgtcttc gccatgccgc agagcgggac gggggtcagt gtcgaggccg 300

tcgaccacgt cttccagacc aatatgctcg acatgctcaa gcagaccggc aggccagaaa 360

tggtggtagg gtggtatcac tctcatcctg gctttggctg ctggctatcg ggtgttgata 420

tcaatactca acagagtttc gaagctttga accccagggc ag 462

<210> 8188
<211> 418
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033f11b1

<400> 8188

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ttcttcaacg ggaaggagct ctgcaagagc atcaaccctg atgaagctgt tgcctacggt 180

gctgccgtcc aggctgcaat ccagcggtga ggggaacgag aaggaacacc accatcccca 240

ccaagaagga gcaggtcttc tccacctact ccgacaacca gcctggtgtg ctcatccagg 300

tgtttgaggg tgagaggaca aggaccaggg acaacaacct gctcggcaag tttgagctct 360

ctggcatccc gcctgcgccc aggggtgttc cccagatcac tgtctgcttc gacattga 418

<210> 8189
<211> 399
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033g01b1

<400> 8189

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caagaggtct ttcaagtacg cctgggtgct tgacaagctg aaggccgagc gtgagagggg 120

tatcaccatt gatattgccc tgtggaagtt cgagaccacc aagtactact gcaccgtcat 180

tgatgctcct ggtcaccgtg acttcatcaa gaacatgatt actggtacct cccaggctga 240

ctgtgctgtg ctcatcattg actccaccac tggtggtttt gaggctggta tctccaagga 300

tggccagacc cgtgagcatg ccctccttgc tttcactctt ggagtgaagc agatgatctg 360

ctgctgtaac aagatggacg ccaccactcc caagtactc 399

<210> 8190
<211> 351
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033g02b1

<400> 8190

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cggcgtacct cttccccgtg cccgacggcg cgaccttctc ctacgggacg gtgggattcc 180

gtgccgacgg gagcaccatg gcccccgcgg tgtgccgcgc cggaatcgtg gcagcgctgc 240

gctccgtgaa gctgggcggc gccgccgtcg ggctggtcat cacggcgtcg cacaaccccg 300

tcggcgacaa cggcgtcaag atcgtggacg ccgacggcgg catgatgtcg c 351

<210> 8191
<211> 452
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033g03b1

<400> 8191

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ttgcgatggc ggttatgagt tggaggaatc tgaacatgca cttgttcaat ctacaataca 180

caatctcagt tctttgagtt ccaagataag caaggctgca ttaaaaaatg atgatgtaaa 240

tggaaactgc tgccaaacaa aatcagatac aaggtgccat ggaaagaatc atcagcctca 300

gaagtttgat ggacttgact gggagaacat tggtgcagat tttaaaacat ttattttgga 360

ggatcttact aaacttccag aagagaatgt cattggtgat actaaagatg cacaaatgct 420

gatatataag aatctatgga ttgaagctga ag 452

<210> 8192
<211> 312
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033g04b1

<400> 8192

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ctcgcggggt gtgtctttca gctggcatac cacccctgac tgggctcccc gtcgcctcgg 180

cacggcagca ggcggcgctc cccgtcagcg cggtatggca gcaggcggat ccggcgagat 240

cgcagacgct ccccttactc ctgccggaga aaaagtccgt ctccttctgc tagatgggac 300

aggagccagc cc 312

<210> 8193
<211> 266
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033g06b1

<400> 8193

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gagctgctga tcaatgagcc tatccttcac gtcaagatgc agatcgcggc aattcacgct 180

ggacaaaggc aaccatcacg agcgcaagaa cctgcaagag gaagggaaga ccaccctgga 240

tggcatgact gatgtggatc caacag 266

<210> 8194
<211> 427
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033g07b1

<400> 8194

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tgcatgcttt gagttctatg ctggtctggc tgaagcctta gatggtaaac aacatgcgcc 120

aatctctctg cccatggaag aattcaagac ctatgttctt aaagaaccca tcggggtttt 180

tggactcatc actccctgga actatcctct gttgatggct acttggaagg ttgcacctgc 240

cctggctgct gggtgtacag ctgtgttaaa accatctgag ctggcttctc taacttgctt 300

agagctcggc gcaatatgtg aagaggtagg actgccttca ggagttctga acataattac 360

tggtctgggc cctgatgctg gtgctccaat agcttcacat ccccatgtgg ataagattgc 420

ttttaca 427

<210> 8195
<211> 452
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033g08b1

<400> 8195

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gcgcggcgat ggtgcggccg gcgggcctcc tcgacccggc gacgaggcgg cgcccgttcc 120

tcgaccagcg ccgcccgtcc ttccggcgcc gctggcagca gcgcccgctc tgggcccgcc 180

tcctgctctc gctcctcctc gccctcgcct gcgccctcct cctcctcggc ctcgccggct 240

cccccgaccc ctcctccccg ccctccaccg acgcctcctc ctccggatcc gccgacgccg 300

acgccgatgc cgtctcctcc cctctcctcc gccagagatc ttacctcgag gttatcacgg 360

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accagatttc tctcgcaaag acctacatca cg 452

<210> 8196
<211> 387
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033g09b1

<400> 8196

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ggcgcgcagg ggcggcgtga agcgcatctc ggggctcatc tacgaggaga cccgcggcgt 180

gctcaagatc ttcctcgaga acgtcatccg cgacgccgtc acctacaccg agcacgcccg 240

ccgcaagacc gtcaccgcca tggacgtcgt ctacgcgctc aagcgccagg gccgcaccct 300

ctacggcttc ggaggctagg ccgagggttc atcgatccag ctcgcgacgc cgccgtccga 360

ccgagagtag tagtgctatc tatctag 387

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<211> 447
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033g10b1

<400> 8197

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cgcgcgtggt gtctcgttcg ccgccatacc accgtcggcg gcgctccccg tcgccgcggt 180

acggcagcag gcggcgctcc ccgtcgccgc ggtatggcag caggcggatc cggcgagatc 240

gcagccgctc cccttactcc tcccggagaa aaagtccgtc tccttctcct agatgggaca 300

ggagccagtc cccgattcct aggaggcgta gaagccctgc atcaccgatg agacatagaa 360

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ctgaacagaa cagtttaata gaaaaac 447

<210> 8198
<211> 537
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033g11b1

<400> 8198

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gagctgcgga tcaatgagcc tatccttcac gtcaagatgc agatcgcggc aattcacctc 180

gacaaaggga accacaagga gtgcaagaac ctgctggagg aagggaagac caccctggat 240

ggcatgactg atgtggatcc aacagtccac gctagcttct actgtatatc gtctcagtac 300

cataagtcgc tccaagagtt tgctgagttc tataagaacg cacttctcta tctggcctac 360

acaaccgtag ggtccctctc agagtcattc aagctggact tggcatttga cctttccctt 420

gcagccttgc tgggggacaa catctacaac ttcggggaat tgttagctca ccctattatc 480

aatagtctta ttgggaccaa ggtggagtgg gtctatcaca tgttacaagc gttcaac 537

<210> 8199
<211> 411
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033h01b1

<400> 8199

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ttctgaacat aattactggt ctgggccctg atgctggtgc tccaatagct tcacatcccc 180

atgtggataa gattgctttt acaggaagta ccgcaactgg taagacgata atgaccgctg 240

ctgcccaaat ggttaagcct gtttcattag agcttggtgg caaaagtcct cttgttatct 300

ttgatgatgt tgctgacatt gacaaagctg ttgaatgggc cgtgtttggt tgtttttca 360

atagtggtca agtttgcagt gcaacttctc gtctacttct ccatgagaaa a 411

<210> 8200
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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033h02b1

<400> 8200

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gctcttgttc ccatgattgc caggggagtt atgcttggtg cagaccagcc tgttattctg 180

catatgctgg atattgaatt tgctgctgaa gctcttaaag gtgtcaagat ggagttgatt 240

gatgccgcat ttccacttct caagggagtt gttgcaacaa ctgatgttgt tgaggcctgc 300

actggtgtga atgttgcggc tatggttggt ggattcccca ggaaggaagg aatggaaagg 360

aaggatgtta tgacgaaaaa tgtttcaatc tacaaagctc aagcatct 408

<210> 8201
<211> 388
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033h03b1

<400> 8201

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ttgatatgtt gcgcaggcaa tccctccgcc cagataacat caagatgttt gtgttggatg 180

aagctgatga gatgctttca cgtggtttca aggatcagat ctatgatatc ttccagcttc 240

ttccatcaaa gattcaggtt ggggtgttct ctgctaccat gcctcctgag gcccttgaga 300

ttacccgcaa gttcatgaac aagcccgtga ggattctcgt caagagagat gagcttaccc 360

ttgagggtat caagcagttc tatgtcaa 388

<210> 8202
<211> 248
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033h04b1

<400> 8202

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gtctagcgac gatcctctgc tggtgctggt gctgcagggg gctccgcccc gcggctgagg 180

ggcacgacca gcatcaagag gggggcgaca acgcggcggg agctgcgaca catgcctctg 240

cgggggac 248

<210> 8203
<211> 184
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033h05b1

<400> 8203

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atctctccag agtggcctcc tatggagcgg gcgctctctt tggattgctt gatccttcga 180

gcta 184

<210> 8204
<211> 361
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033h06b1

<400> 8204

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gtcccaatga tgtcatcttc tccattgatt gccaatgcac cccctgagaa gaaaggtgtc 180

aagaactttg cgattgactt cctcatggga ggagtgtcag ctgcagtttc caagactgct 240

gcagctccta ttgagcgtgt taagctgctt atccagaacc aggatgagat gatcaaggct 300

ggcaggctct ctgagccata caagggtatt ggtgactgct ttgggcgcac catcaaggat 360

g 361

<210> 8205
<211> 387
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033h07b1

<400> 8205

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aacgatgagg gcatgcccat gtaccagagg ccgttcatga agggcaagct gtacatccac 180

ttcacggtgg atttccccga ctcgctgaac ctggaccagt gcaaggcgct cgagactgtc 240

ctcccgccca agccggcgtc gcagtacacg gacatggagc tggacgagtg cgaggagacg 300

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gaggcctacg acgaggatga ggacatg 387

<210> 8206
<211> 411
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033h08b1

<400> 8206

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aagtttgagc tcggtggtag aattgctcaa tgagatcgtg aataggagca tgattcaacc 120

aattgacatc aatgttgata aaggcatgga aaaatcttat cgtatacatg atatggtgat 180

tgatttcata tgctgaagaa aaacacttct gtggcatgga gtgaaagcgg tctatccaaa 240

ggcaagatgt gaagattatc catctgaaag agcatgacag gtagcagcga tgtgacaatg 300

aggtctcttg caattgttga ttcagtgtag cttatgttga attttccaag ttctacatgc 360

gctggattag aatattgtgc tgcatgtctc tattctttgc aatcacaatg a 411

<210> 8207
<211> 131
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189033h12b1

<400> 8207

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ccatcctatg agaggcgctt caccacaagc agcttcatga ctcagaacct tggcataagt 120

gtcccaatga t 131

<210> 8208
<211> 372
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189034a01b1

<400> 8208

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tatcttgtct acaaatgaca aaacaatcaa gtactggaag gtgcaagaca aaaaagtgaa 120

acggatttca gtaatgaatt tggatacttc ccagagtgca gacaatggga caacttctag 180

ttcgagtacc aatagctcta gaggtcttcc taatggagga tcctcagaaa agtcatacaa 240

ttgtgcaaac aatgatctgc cattccctcc tgggggatat gcatcattgc gtttgcctgt 300

ggttacaggc caagagttaa accctgtcgc tagatgaccg cgtgtatatg cacacgccca 360

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<210> 8209
<211> 318
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189034b09b1

<400> 8209

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attttctcag atgtgcagga tggcatgaaa attgcccaag aggagatatt tgggcctgtt 120

cagtcaatct tcaagttcaa tgacctcaac gaggtgatca agagggcgaa cgcaagccag 180

tacggattgg ctgccggtgt tttcaccaac aacctggaca cggccaacac cttgacgcgt 240

gccctcaggg ccggcacggt ctgggtgaat tgctttgaca tcttcgacgc ggcgatcccc 300

ttcggcgggt acaagatg 318

<210> 8210
<211> 220
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189034d09b1

<400> 8210

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gctgcttcgg caggcgaggc cggagtggaa ccccgccatg atcaagtatg gcctgatgac 120

caccgcgtac aacatggaca gcgccggtgg tgtcatccgc gacatgtgca ccggccaagt 180

gatcacgcta ttcgcacgag gggctagaca cgtgcacccc 220

<210> 8211
<211> 241
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189034f03b1

<400> 8211

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cccggctaca cctacctctc gcccattctc gggctgctgg tctacgacgc tgccaacttg 180

tcagcggtgg ggttgtctga gctgagcatc gtcgcgtcag ggagcccgat ttctgtgagt 240

t 241

<210> 8212
<211> 384
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189034g06b1

<400> 8212

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cttgacataa gacctctact gttcattttc gttgaagaca atgctacctt tattagcctg 180

ttccagattt gagagtttca tgtgggcacc aaatcagcat ggatcttgct ctgcctgcct 240

gtttatttgt attgtaagtt tgtaactgaa atgagctgca agcctgcaaa agtactgccc 300

atctagtgtt gtgatgatta tcatgtggat gcttggttct gaaacttaaa gcagccacag 360

atcaagggta gagggtctga acca 384

<210> 8213
<211> 415
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189034g07b1

<400> 8213

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cggatccagc cgagggcttg ttcttaatcc gctgcccatg aggatcacag ggggttgaaa 120

atccacgcca aactgaacaa ggtgaggatg tcaacatctt cgaaagtgga tcagaggaga 180

ttagagagca tcgaggggat tttgagttgc ggcggacttg atcccccttcg gtcctcttta 240

atccacacga aacagaaggc ctagaggata tccacgtctc tgaatcagca tatgcaaatt 300

caaccgccca agaattacca gggcaccaag tacgtccgag ctggttgttc cacgttttat 360

ccggagtttc cagatgactg gtataacatc gaggaccctt ccatgcccaa ggaca 415

<210> 8214
<211> 425
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189034g11b1

<400> 8214

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atttcgctcc tgtcggctgt cgcccccccta ccctctgaag ccctcaacgt gagaggccat 120

ctgctgaaat caaagacgtt ccgttctccg cccatcttat tgggacctgg atcagtctca 180

aacaagtacc accatgatgt cgacttcccc cgaggccacc ttgcagtcaa gagctttgat 240

gcagaggtcg tcgatgagaa tggcgtccct gtcccgctcc atgagactta cctgcatcac 300

tgggttgcag aaccatacta tgctctgaag aacagtcaga gccccgatac gcaaaatctt 360

ccaaaaggga tgcttaaaag gaatgatgga gtgtgcaaga ccacactagg ccagtacttt 420

gggct 425

<210> 8215
<211> 456
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189034g12b1

<400> 8215

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gcggccaggg cgatctcgtc tgagcaggag catacccccа tggtcgccgc gctgctgcac 180

gtcatctcag ggtataccac gccggtgccg gacttcttct tcccagcgag caaggaggtg 240

tgcacggcgt gcgggatgga tgggtgcctc gggtgcgagt tcttcggcgc gggggccagg 300

ccggcgatcg caccgaaggc gacggtgggc gggccgcaga ggaggcggag aaacaaaaag 360

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ccgcgccgcg ccgtgcgggt gtgactcggg accttc 456

<210> 8216
<211> 173
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189034h01b1

<400> 8216

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gctggtttga tgaagcccct ttcaaggatt tgtttatttt agcaacttca cac 173

<210> 8217
<211> 146
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189034h02b1

<400> 8217

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gaggagcggg ttgttgtcat ggcggg 146

<210> 8218
<211> 437
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189034h12b1

<400> 8218

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cgtactgctg ttggtactca tggtgctaga ccacattcta gtgttgaagg ccgtggccat 120

tttaatcaca cttggcaaaa tcatcagacg tttggtacga gagaaaacac aagtatgcca 180

cacggcgttg ggcccagaac ttttgtcaga ccaatggcac atctgccccc tactcttggg 240

tacctcaatg gaccatcata ccctgggcct atgcctacca tgtattatta catgcctgct 300

ccacccatgg aggcaatgag aggtccacct cgttttgtcc aaaaccaacc agccccccaa 360

cctgttttat cgcctgaagc gactgagcta agagctaata tattagctca agtggagtac 420

tatcttagtg atactaa 437

<210> 8219
<211> 270
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035a01b1

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ctacggcaag gactacggcc gcctcgtcgt catcgtcgac gttgttgacc agaacagggc 180

acttgttgat gctccggaca tggttcgctg ccagatgaac ttcaagcggc tctctctgac 240

cgacatcaag attgacatca agcggatccc 270

<210> 8220
<211> 186
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035a02b1

<400> 8220

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gcttaacggc ctgccaaccc tggaaacggt tcagccggag gtagggtcca gtggccggaa 180

gagcac 186

<210> 8221
<211> 89
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035a04b1

<400> 8221

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tctggaatcg ggcgaggcct gcagctcct 89

<210> 8222
<211> 266
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035a05b1

<400> 8222

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actatccagt ttgttgactg gtgccccact ggctccaagt gtggtatcaa ctaccagcca 120

cctggtgtcg tcccaggcgg tgaccttgcc aaggtccaaa gggctgtgtg catgatctcc 180

aactccacca gtgttgtcta ggtcttttcc cgcatcgacc acaagtttga cctgatgtac 240

gccaagcgtg ccttcgtcca ctggta 266

<210> 8223
<211> 239
<212> DNA
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<223> Clone ID: uC-tsrow189035a07b1

<400> 8223

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gatctctatg gtctgttgct gatctgcagt taagttatgt attagggccc ccttctaggg 180

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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035a08b1

<400> 8224

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acagattaga tgttgcgtaa acagtttagt ttcggatatc cggatcggta tcgcggcatg 180

gccgctcttt tctaccttct cttagatcac attgtatcac tcaccatgtc ctgtcaacat 240

gacccaccgt tcttgtacaa gtttgtgggt gtgggtagag ctgtagacag tttggcacaa 300

cct 303

<210> 8225
<211> 251
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035a10b1

<400> 8225

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<210> 8226
<211> 359
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035a11b1

<400> 8226

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gtggatctgg acactgggca ccgccgcgat catgatcacg aacgtcgtcc ggacgcgcgt 180

caacgatatg cagatgatcc tccgggagga agacgaagcc gtcggctctg gcggcggcgg 240

cacgggcggc gggccctccg gcgagcgcgt catgagggac gacgagttga attgagcagc 300

aagtgaagaa gagttcgctt gagcttgagc gactctacat agcaaaattc gcggaagcc 359

<210> 8227
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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035a12b1

<400> 8227

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taagtacgct ggtgcgccac ctgctggctt cttgcccacg aacatgagca gcgaccgcca 180

cctccgccga ctcgctccaa cctttcccca ccatggcagt cgccctccgt cttcgccggg 240

atcgcgcagg gcccggagga ccccatcctc ggggtgacgg tcgcgtacaa caaggatccc 300

agccccgtca aggtcaacct cggcgtcggc gcctaccgga ccgaggaagg gaagcccctc 360

gtgctgaatg tggtcaagcg cgccgagcag atgctgat 398

<210> 8228
<211> 307

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035b02b1

<400> 8228

tgttgcagcc gcggggacga tggtcgggat cttctccagg ttctcttccg gcgccggcca 60

ccgccgcgcc aagagtgccg tggaggttgt ggagacattg gcgcccaaca tggagaccgg 120

ggagtctgac ccggcagctg atcctggaga tagcccgcac ggcattgagg tcggcatcga 180

gttcaagccg gtggagcacc ctgtggagcc tgtcaacctt gaccaaccag tgaaatgccc 240

gctttctgag ccatctatac tgcatgatgg gaggatatgg caagagagga tgtctacagc 300

gggcggg 307

<210> 8229
<211> 188
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035b04b1

<400> 8229

tgtttaggtt gaggcgacca aggaggaggc gccgggcgcc gctgagacgg aggaggccaa 60

ggagaccgag ccagcagctg ctgtctagcc ggatgccgag gcgcccaaag agccagaggc 120

gccagccgtg gtcgagacag agaccaagga ggccgtggca gaggccgagc cggcggtggt 180

cgatgagg 188

<210> 8230
<211> 166
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035b05b1

<400> 8230

tgtaaagggc tcatgcctag cgccagccat gggtctgcaa tcgaggtgct atccaggatc 60

acgatcccca catgcgatta tatccccggg aatcctgaga caaggctgtt gatgcgcatc 120

acaggtctgc tcccatggct cgggttgcag ctcaccaagg acgtat 166

<210> 8231
<211> 319
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035b07b1

<400> 8231

tgcctcctct cttcgccgct cccgctccgc cgccgcgcca ccgccgtcag ccatggcacc 60

gaagaaggag aaggccccgg cggcgtcgtc gaagccggcc aagtcgggcg gcgggaagca 120

gaagaagaag aagtggagca agggcaagca aaaggagaag gtgaacaacg cggtgctctt 180

cgaccaggcc acctacgaca agctgctcac cgaggtgccc aagtacaagc agatcacgcc 240

ctccgtcctc tccgagcgcc tcaggatcaa cgggtcactg gctcgcaggg ccatcaagga 300

cctgatggag agggggctc 319

<210> 8232
<211> 418
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035b09b1

<400> 8232

tcccacgcgt ccgcaccact gcactacact ggtgcggtac agaggaagca gcagaggagc 60

aacgcacgaa cgagctggcg gcatggcgag gccgtacatc tccctgcacc tctggctggc 120

cgtcctggcc atggccgacg ccgcgtccga ggccgggttc tacgaccagt tcgacgtggt 180

cggctccggc aacaacgagc gcgtgaacga cgatggcctg gcccagcagg tggcgctcac 240

gctcgaccag ggcaacggcg gctccggcta cagctccaag gacaagtacc tctacggcga 300

gatcagcgtc cagatgaagc tcatcggcgg caactccgcc ggcaccgaca cctccttcta 360

cctgacgtat ggggagggcg acagccatga cgagatcgac atcgagttca tgggcaac 418

<210> 8233
<211> 319
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035b10b1

<400> 8233

tgaaagggct catgtctagc gccagccatg ggtctgcaat cgaggtgcta tccaggatca 60

cgatacccac atgcgattct atatttggga atcctgagac aaggctgctg atgcacatca 120

caggtctgct cccatggctc gggttgcagc tcaccaagga cgtatcttcc ctcgggtcag 180

cttcgcctct acaagaacag aaccagaagg cctactatgt ggcatccaat atctcaggat 240

ggtgccgtgt gaaatctctt catgtcctag ccgaggtctt cagagcatac tcttatgggg 300

aaatcatctc actggaaga 319

<210> 8234
<211> 378
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035b11b1

<400> 8234

gttttgctgc ctccctcccc caccgccgcc gtcgccgccc gcgtccacca tggcgctgcc 60

gaaccagaac accgtcgatt accccagctt caagctcgtc atcgtcggcg atggcgggac 120

tggcaaaacc acatttgtga agaggcatct cactggagag tttgagaaga aatacgaacc 180

caccattggt gttgaagttc acccgttgga tttcaccact aactgtggaa agatccgttt 240

ctactgctgg gacactgctg ggcaagagaa gtttggtggc cttagggatg gatactatat 300

ccatggtcag tgtgcgatta tcatgtttga tgtcacttca aggctgacct acaagaatgt 360

tcctacgtgg cacaggga 378

<210> 8235
<211> 380
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035b12b1

<400> 8235

tctccagcca ccactttcaa gctcacaatc aagtcgatca cgacccacag gtcaagcaag 60

cttcgttgct agcttgcttg tccggcgatt tctgcttcat ctagctacca acgtgcggag 120

atgccgaggt cgtccaagaa gaagcagcgg tcggcgtggg gctcgctcct gggcagctgc 180

ctgggcgggg gcggctggaa gacggggaag caggtccggc ccggccccgg cccgaggaag 240

cgcgagtcgt cgtcggcggc ggtgggggcc ggagtcgggc agcggctgtc gttcacggac 300

gtgatgagca tgagcgcggc gtcggagcag gagctgtccg tgtcgctggt tggctccaac 360

ctgcacgtgt tcacggtcgc 380

<210> 8236
<211> 277
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189035c01b1

<400> 8236

tccttgttcc attctcttcc tccgggagcg ccgccgcttc ctcatctctc acctctcggc 60

tcgggagacc gaagcgaaac cccaaggaac tatagtccca gtgtgacatt caaaagcagt 120

caagatggtg aagttcacag cggaggagct ccgtggaatt atggataaaa agaataatat 180

tcgcaacatg tctgttattg ctcatgttga ccacggcaag tctacgctta cggattccct 240

tgtggcagct gctgggatta tcgcccanga agttgct 277

<210> 8237
<211> 400
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035c02b1

<400> 8237

tgtgcatagc tggcaactat ctctatgcgt ggcggatggt ctctgggctg ggctagtcat 60

tggatttatc acagagtact acacaagcaa tgcatacaga cctgtgcagg atgttgctga 120

ttcctgcaga actggagctg caaccaatgt catctttggt cttgctctgg gatacaaatc 180

agctattatc cctatcttcg ccattgcctt cagtattttc ctcagcttca gccttgccgc 240

gatgtatggt gttgctgtgg ctgctcttgg aatgctcagc acaattgcga ccggtcttgc 300

cattgatgcc tatggcccta tcagtgacaa cgctggaggc attgctgaaa tggctggcat 360

gagccacaga atacgtgaaa gaactgatgc tctggatgct 400

<210> 8238

<211> 379
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035c03b1

<400> 8238

tgtgatacat cctttctctg tctacttcct agtacctgga gactactcgc tgcaatcttc 60

ttctgttata attgacgcta cggatgttct tcgtgctcgg gcaaaggcag agtccccgga 120

tgaacctatt ctatgccgcg gatccccatt ccatatccat gtagttggta cagagtagca 180

aacactgttt ggtgtagttt agaggcagcg atttcaccat gacatgtgca gctgtgaaga 240

tcatgtacaa gagcattatt cccatgtaca cttgtgattt atttgagcca cttggaggct 300

tcctttgtaa tacacttgtg tttgtgtaca gtgtaaaagc atccgccaag gttaatatgg 360

tgcactggtg cacttaacc 379

<210> 8239
<211> 342
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035c06b1

<400> 8239

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tatcggatct accatcagag acaagattat tccacatgct gtttcatggt tcactggaga 120

ggccgctcaa gatgaggact ttgacggcat catggatgat gatgaagatg atgacgaaga 180

tgatgaggag gatgaagatg aggatgagga tgacgaggaa gatgaagatg atgacgatgg 240

tgataagaag aagggtgggc gagttcctgc aggggaaggt caggcagggg agcggcccgc 300

ggagtgcaag caacagtgag gtccttccca gatgaagact at 342

<210> 8240
<211> 334
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035c07b1

<400> 8240

tcccacgcgt ccgagacagc cagccaccac acgccgacgc caaactcgcc gaccaatcga 60

aggctcggga ggagcgacga tggcccgccg ctgcggctgc cccgtcggcg ccgcgctcct 120

cgccctctcc ctcgccgtcc tcctcgccgc cccggccgtc cccggggccg ccgggttcca 180

cctcggcggc gacgagagcg gcctcgtgcg gggcatgctc gccgccgtcc gcgagcgggc 240

cgaggccgag gacgccgcgc gcttcgccgt cgccgagcac aacaggaagc agggttctgc 300

attggagtta cacgagttgt gaatgcaaaa aggc 334

<210> 8241
<211> 219
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035c08b1

<400> 8241

tccgactcca tggacgctcc tgacgtgttg cagtccgact ctgaagagcc ttctgaagag 60

gagcctgcct cctcctcctg atagttcaga gagaaaatgc ctctgtgtat ttattccctg 120

atgaatgtgc tccagattca gaaatagcat tagcaggcaa acaattgttc agatgagaca 180

tttgagatga tctgcaggtt gcgggtgaca catcactga 219

<210> 8242
<211> 441
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035c09b1

<400> 8242

tgcggcagca acagcaatag cagcaatacc tgcagctgca gcccaccacc aaccgcgcca 60

cgccatttac caccatataa tcatcacccg cccccaggct tgtcgggagc gaagccaagc 120

cagtcttgtg ttggaagaac gcctcaccat ccatcagagc agctcggctt gcagatcgag 180

agtgagggag tgagaggcaa tggcgacttc gttccagggg acgaccacca agtgcaacgc 240

ctgcgacaga cggtgtacct cgtcgacaag ctcaccgccg acaaccgggt ctaccacaag 300

gcctgcttca ggtgccacca ctgcaagggc accctcaagc tcgcgaatta caactcgttc 360

gaaggagtgc tctactgcag gcctcacttt gaccagctct tcaagaggac cgggagcctc 420

gacaagagct tcgaaggcac t 441

<210> 8243
<211> 392
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189035c10b1

<400> 8243

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gccgcagaga ccgcggtcgc cgtggtcagc accgacggcc acctcgtcgg cgagatctcc 120

accgcgcacc tcgctgcctg cgacgagacg gcagccgcgg ccatcgccac gctctcggcg 180

gccgacctca tggcatacat cgactacttc ggctcgccgc cagagcacat cctgcgcgcc 240

atcaagaccg ggctcaaggc caagggcctt gacgccatgc ttgagctgat ggaggacgag 300

acngatgacg tcgttctccc tctcttcctc gtcgtcagat gacgacaccg gccggccgca 360

cctgaggcgc ccgtcgtcgg ggagctttgg gc 392

<210> 8244
<211> 490
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035c11b1

<400> 8244

tatcgtgttc cagccaggag ctatgcccaa ggctgaacat gttgatgtca ctgcacattg 60

ggcggttgta aaagaggaag catccggcaa caacggtgct gattggtttg acccaggcat 120

aggcatgggg aacctgccgt cccttcggaa ggttaaagtc agagtcgact ctcataaaat 180

gacggtcggg gaggccaagc aagccaaggc agcgctggag aacgcactcc gtgcccatcc 240

taaccgtccc ctgttttgcg tcgagttcag gtggtccata aaagaaggcg ctcatgatga 300

cgacctctgc tagtgtggtc gcagcgaaga acgttcgtgc aggccgtcaa tgtttactgg 360

agacgcgctt ttgcaaacta tatgcgtagc gcatgctgca atattgatca acgctcgtta 420

ctcactgagc ttatttcttg gcttcacaaa aaaaatggaa aaattgtatg aaaaaaaaac 480

aaacaaaata 490

<210> 8245
<211> 327
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035c12b1

<400> 8245

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gttcaagaac gagatcgagc tgctgtcccg ggttcaccac aggaacctgg tgagcctgat 120

cggcttctgc ttccagcaag gggagcagat gctggtttac gagttcgtcg ccggtgggac 180

gctgagggag aaccttgttg ttagagggac gtacttgggc tggaagaaga ggctgaggat 240

cgcgctcggg tcggcgaggg ggctggcgta ccttcatgag ctcgccgacc cgccgatcat 300

ccaccgcgat atcaagtcca ccaacat 327

<210> 8246
<211> 319
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035d01b1

<400> 8246

tgcttaatta ccctgacaga cattgttagg tcttgtgtta gtgaagctag ctaggtaaga 60

aaaaccatgg cggcttcccg cgccttggct gcactgcttg ctgtggtggt attcatggtc 120

tgctctccgg cgcctcgtgt tctcgccact gaccccaccc agctccagga cttctgcgtt 180

gctgatataa tgaaccctgt gattgtgaat gggttcgtgt gcaagaacat gaagatggta 240

acggcgaacg acttcttctt gcccgggctt aacaagccgg gcatgttgaa cgctcagggc 300

tcggcggtga caccggtga 319

<210> 8247
<211> 212
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035d02b1

<400> 8247

ttgattctgt ggtgctctag catagttgcg tggcagaact gagagtagaa tgtcactgag 60

tgtgtatggt gtgttatagt tggtgaataa aggagcgaac agaagtgaat gtgtgatgtg 120

ttaccctgat ctgtaatagt atgatgtttc attgttacgt gtgctctcgt ggttcaagta 180

gcaggaccgg ctatgttatg agtttttgac aa 212

<210> 8248
<211> 427
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035d03b1

<400> 8248

tcttatccag tttccctcaa cagtgagaac ctgcaacttc tgagacaaag atattattat 60

gctacgtgga aagctgatgg aacacgatac atgatgctta taatgcggga tggctgtttc 120

ttaatagacc gaaacttctg ctttagaaga gttcagatgc gttttcctat taggaatgtt 180

aacgatggtt tccacaactt tacattgatc gatggagaaa tggttgtaga cgccatacca 240

ggtggtggat tgaagcggag gtacttagcg tatgatctaa tggcaattaa tttctcctcc 300

aaagtcaagt tgccctttc tgacaggtgg aagctacttg aggatgaaat aattcgtcca 360

cgcatctatg agagaaagca gtttgaaact ggtctgaagg caatccatca tacagatatg 420

acctgga 427

<210> 8249
<211> 226
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035d04b1

<400> 8249

tacaagggaa accaatcgag cgagcaaact actcgcagcc accacaaatt cgaaacacct 60

cctgcctctt gcctgcctgc aggaaccgag aaaagaaatg gaggcggcgg tcggcggcag 120

ctggacacgc gtccgcacgc tcggccgcgg cgcgtccggc gccgtggtgt ccctcgccgc 180

cgacgacctc ttgggcgcgc tcttcgccgt caagtcggcg cccgct 226

<210> 8250
<211> 284
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035d05b1

<400> 8250

tacaaggacc ccaacttcaa taagattgag agtatgattg caagggaagc actcattcaa 60

tgtgctgagg ttctcgatat gtaatctaat ggacatacag ggccaaatga gtcacatttg 120

gcataatgct gagcccatca acagatagcc atgcctgtct cagcctcagt gctgctagat 180

tatgacataa accggagatg acggggagcg cctccgactt ccaccaaagc aactgtggcc 240

ataagtcggc gatgtccacc tcccggagga cgaggccagc ggca 284

<210> 8251
<211> 376
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035d06b1

<400> 8251

tcttaggttt cagttctcct ccgcctccgg tctcgagagc tcgccagaat ggtcgcccac 60

aggttccacc agtaccaggt ggtgggtcgc gcgctgccga cccccggcga tgagcagccc 120

aagatctacc gcatgaagct ctgggccacc aatgaggtcc gcgccaagtc caagttctgg 180

tacttcctga ggaagctcaa gaaggtgaag aaggccaacg gccagatgct cgccatcaac 240

gagatctttg agaagaaccc caccaccatc aagaactacg gcatctggct gaggtaccag 300

agcaggaccg gttaccacaa catgtacaag gagtaccgtg acacgaccct caacggcggg 360

gtggagcaga tgtaca 376

<210> 8252
<211> 350
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035d07b1

<400> 8252

tgcccgctcc tcctccccgt ccgtccccac acacacacgc acgcgtttga cattttccgc 60

ccaccaccgc cggagggagc tccagccatg gccgccaagt gctacccgac ggtcagcgac 120

gagtacctgg ccgccgtcgc caaggccaag cgcaagctcc gcggcttcat cgccgagaag 180

aactgcgcgc cccttatgct ccgcctcgcg tggcactcgg ccgggacctt cgacgtggcc 240

accaagaccg gcgggcccct cggcaccatg aagtgccccg cggagctcgc gcacggcgcc 300

aacgccggcc tcgacatcgc cgtcaggctg ctcgagccca tcaaggagca 350

<210> 8253
<211> 373
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035d08b1

<400> 8253

tcggacgcgt gggggccata gccagagaga cccagcaacc ggagcaagct ccacaccggt 60

caagttcttg caagagagga aaaagaaatc gaagaggcag agatgggaag aaggagaagc 120

ccggctctgc cgctgctgct gatctttggc gtcctcgccg tcgtcctcgc ggctcttccc 180

tcctccacgc ccgcccagca ccaccagcag cagcaccacc agcagcagca gctggatcgc 240

gagcagtacc accacccgcc gtcgcaggag cagcagcagc cgccgcatca gcagcacctg 300

caaatccagg tgcatcagca gcaggaggat gggggcggcg gcgggggaaa gggagcagca 360

gcagcagcag cag 373

<210> 8254
<211> 350
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035d09b1

<400> 8254

ttcagtttgg tcgccttccg attcgaacct ccccgaaatc cgcagcagtc gacaggaggc 60

caaaggcgcc gccatggccc gtacgaagca gaccgcccgc aagtccaccg gcggcaaggc 120

gccccgcaag cagctcgcca ccaaggcggc gaggaagtct gcgccgacga ccggcggagt 180

gaagaagccc caccgctaca ggcccgggac cgtggcgctc cgggagatcc gcaagtacca 240

gaagagcacg gagctgctga tccgcaagct gcctttccag cgcctggtcc gcgagatcgc 300

gcaggacttc aagacggacc tcaggttcca gagccacgcc gtgctggccc 350

<210> 8255
<211> 372
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035d10b1

<400> 8255

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tcgccccgca ggggcggctc gggcggaacc ctaaacgccg ccaccgccgc cccctctccc 120

tcacccccctc tcgccgccgt cggcgctcgt cggtgggcaa agcccgttgg cggccgacga 180

cggcgggatc tggcgctcgc gctggtcggg cacgcccctc gcagtggtgg gtgttgtgga 240

gtttttggct gcgagatctg gagctcgagt gacggcgcac ggcagagctt cgcagtgggg 300

tggaggtgtg cggctggggc tcgcaagagg agttggtcgc ggcgcggtgg tccctcctgg 360

agccaacgac ac 372

<210> 8256
<211> 378
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035d12b1

<400> 8256

tcgtacagaa gccatcttgc tccgttccag ctcaggcgag cagcgaccac cttccggcga 60

gggcagtggg cagcagcgat ggagggcaag gaggaggacg tgcggctcgg ggcgaacaag 120

tactcggagc gtcagcccat cggcacggcg gcgcaggggt ccgaggacaa ggactacaag 180

gagcccccgc cggcgccgct tttcgagccc ggcgagctca agtcctggtc cttctaccgc 240

gccggcatcg ccgagttcat ggccaccttc ctcttcctct acgtcaccat cctcaccgtg 300

atggggtaca gcggcgccgc ctccaagtgc gccaccgtcg gcatccaggg catcgcctgg 360

tccttcggcg gcatgatc 378

<210> 8257
<211> 350

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035e01b1

<400> 8257

tcgttcgcgt ggggttgtca atgacaggat tcttgtattc cgctttacag atgttggcaa 60

actcccacca ccagtgctgc agtttgctga tgtcacattt ggttacactc cggataatct 120

catctacaag aaccttgact tcggtgttga ccttgactcg agagttgcac tggtcggtcc 180

caatggggct ggtaagagca cacttctgaa gctcatgaca ggtgacctat ctccgttgga 240

tggcatggtc agacgccaca accacctacg cattgtacaa tttcatcaac atcttactga 300

gaagctggac ctggacatgc ccgacctgca gtacatgatg agggagtacc 350

<210> 8258
<211> 372
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035e02b1

<400> 8258

tcgttgatcc tgatcctcca ggccgtcctg gtcatgggga tcctctcaca cgtgaacgcc 60

gactatttcc ccaagtgctg caacagttgc aggtccttct cgggggtcga cgtctgcgac 120

gacgcccacc cccagtgccc caagggctgc tcggcctgcc gcgtggtgac gcccagccct 180

cacaagacgt tccggtgcgc cgacatgaag agcaccgtcg acggcacctg cggcgggcca 240

tgcaaaaagc actgatccgt tcagggcttc aggctcagac gaggtgtgcc gcctaaaata 300

aagctcagat gagatgagca gtcatggtgc ctatgcttgt gtgtgggtcg tgctatacgg 360

ccaacagtat gt 372

<210> 8259
<211> 322
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035e03b1

<400> 8259

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tgaaatcttt ttgggttcac agatttggag gatgtcttgc aactgtggat ccggttgcag 120

ctgcggctca gactgcaagt gcgggaagat gtaccctgat ctgacggagc agggcagcgc 180

cgccgcccag gtcgccgccg tggtcgtcct cggcgtggcg cctgagaaca aggcggggca 240

gttcgaggtg gccgccgggc agtccggcga gggctgcagc tgcggcgaca actgcaagtg 300

caacccctgc aactgttaag ct 322

<210> 8260
<211> 436
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035e04b1

<400> 8260

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tagtttaaca gttgcaactc gtaatacttt cggagagctt gatcaaagcg ttcgaccagt 120

tgcacctctt cacttcttac agatgctgcg gaaaaaatac ccccaatttg ctcaacagca 180

aaataatgtt tacatgcagc acgacgcaga ggagtgctgg acacagctga tctatacgct 240

ttctcaaaca cttacatcag aagcaagtga acctactgct gctcagatga aggaactctt 300

cgggattgat cttgtgagca gggtacactg tgcaaaaagt ggtgaggaga gttcagaggc 360

agagtcggtt tattctctga agtgccatat atctcatgat gtaaaccacc ttcatgaagg 420

actgaagcat ggtttg 436

<210> 8261
<211> 391
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035e06b1

<400> 8261

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cgtaggttaa tgaagggttt ggaagatctc tcagttttct atgatcagac agtccgcaac 120

gctagtggtg gtatagttca atttgtctat ggagatgatg gcatggatcc tgtaaagatg 180

gaaggaaaag gtggcaatcc cttgaatctg gaccaattgt ttatgaaagt catggccaca 240

tgtcctcaaa ggggacatga aacattatct cctgagggaa tctcacaaat gttaaatgat 300

aagctctccg aacaagaccc ctcagctggt ggttgtagcg ataggttcaa ggaattgtta 360

acaaaatttg tcgggaatcg catcaaaatg c 391

<210> 8262
<211> 378
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035e08b1

<400> 8262

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atcgaaaaaa accaggatgt ctaagcggct ccagggagag gagatacagg caaactgcgc 120

ccgcaaaagg tcacgacctt ctgatcagaa gcacctctat ctggtgctgg atgactggaa 180

agatgggttc agcattcaca agattgacgc cgacgacgat gacgcggacc ttggccagcc 240

accggtcctc cggttggtgt tgccggcgcc tggctttcca atgcgctttg cggtcgtggg 300

cagcaacatc gtcatcgtca ccaacccacg ctgtggtcag gctcccacac ttttctatga 360

tacgaaaaga acaggact 378

<210> 8263
<211> 386
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035e10b1

<400> 8263

tctggatggt catcgtcttg ctactggctc ttacagtaat ttattccgtg tttttggttg 60

tactcctgga aatactgagg caaccacttt agaagcaagc agaaacccta tgaggcgtca 120

ggttgctaat ccaacaaggc ctacaagaac cctgacctct ttgacccgtg ctgtgaggag 180

agggggtgaa aatgcaggag ccgatggcaa tgggaattct aatgacttct caacaaagtt 240

actccatctt gcgtggcacc caactgagga ttccattgcg tgtgctgctg ggaatagctt 300

gtacatgtat tatgcatagg gaatgtgcta gagaagattc actgtttttg gtttgttcaa 360

tgtgaaagct tgggcctcgc acatgc 386

<210> 8264
<211> 328
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035e11b1

<400> 8264

tcccgctcgc cgcacctacc ctaccgcgag cgtcagagcc gcacgagcgc cgcggccaaa 60

gagagcttgc ttgcttggcc cgctccgatg gcccgcgacg gcgcgtcggc ggagcggcgc 120

cgggtggcgc tgcgggtcct gctcgcgcgc ggcgagggct cctcgtcgtc ctccccgccg 180

ccgcgggggc ccgaggagga ggcgcggcgg ggcaagcagc agtggctcgc gctccgcctg 240

cgcgacctcg gctgcgcgtc cgccgccgcc tcccgggccc acgcgcccgt cgccgcctcg 300

gcctccgtgc gcccggcccc ggacgcgt 328

<210> 8265
<211> 215
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035e12b1

<400> 8265

tttggggaaa gcctcctgtg gatgagcatg gacgcccccc ctacggagat gtttttggta 60

tcctacagct ggatgaacct aattatgatg aggagcctgt tgaccgcagc aagcattggg 120

gagacttgga ggaggaagag gaagaggagg aggaagatga ggaggaagag gaaggaggaa 180

ctaatggaag atgaagacat ggaagctggc atgca 215

<210> 8266
<211> 306
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035f01b1

<400> 8266

tgaagaaaga agatcgagcg agcgagaaat ccccaatccc caccaaaccc taacccaaac 60

cctaaccctg attgaaacga ccaggagagg agaggagagg agcggatccg gcgatggccg 120

tcgagaagat gcacttgtcc atgccgttgc ccgccggctt ggagggtttc cccttcacca 180

cgttccaggc ggagctggag gccttcaccg tcaagttgag ggcggaggcg aagaaggcca 240

aggccaagcc ggaggtcaag gaggccaagg ccaaggagga gaaggccaag ccggaggtca 300

aggcca 306

<210> 8267
<211> 400
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035f02b1

<400> 8267

tcccacgcgt ccgcccacgc gtccgcggac gcgtgggggt ttgcactacc tccatgagga 60

atgccatatt gttcatcttg acttgaaacc tcaaaatata ttgatggatg ctaccatggt 120

accgaaaatt gcggactttg gtttatcaag gatctttggt gagaagcaat cccaaatcat 180

cactcaaaat tgtcagggaa cacgaggata catggcacca gagtacataa tccaaggcat 240

agtctccatc aaggcagata tatacagttt gggtgtcata attatcgaga tacttactgg 300

ctctagatca tatcccctca gagaggacaa tagtcgtgag tgtaccgaca agtctatcca 360

acaattcaaa gagcaaatac ttgaaacttg ggggaaaaga 400

<210> 8268
<211> 309
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035f03b1

<400> 8268

tgtgctccga accaacctgt tggaatggtt ggtttgactg acagcatgcc tgctgaagtt 60

ggtacttctg agccgcagca gatgaatagt tctgacaatg ccatgcaaga gccgcagtct 120

gaaaatgttg ctgacaagtc agcagatgat ggctacaact ggcgcaaata tgggcagaag 180

catgtcaagg gaagtgaaaa ccctagaagt tattacaagt gcacacatcc taattgtgaa 240

gtaaaaaagc tattggagcg tgcggttgat ggtctgatac cgaagttgtc tataaggggc 300

gccataatc 309

<210> 8269
<211> 382
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035f06b1

<400> 8269

ttaggggaaa agccgaagtt gggggtacaa gatgattgag gtctatgtac tttgaaagaa 60

cggaaacata tcggaataat ggaaatggtg aacttctgta cataaataac ttgatttttc 120

tttgtattac tgtcggcgag agctgtcagt tttgctccat attcatgtgg caatgtgatt 180

tatttttctg ggtttgaagc acttctgcag ttatgcttct gtaggagttc agcgttgtaa 240

tagttcggag tatgtttaga tctgtaatag aataacaaga ccaaacttca gtaagataga 300

atggtaatga actgctagtt ttgggggctg ttggctcaac cgtggtactt attaaaccag 360

ggttgatgta taggaacagt at 382

<210> 8270
<211> 326
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035f08b1

<400> 8270

ttcgaacaaa cctccatacc aaaagcaaaa gagcggagca gctacacagc ccccccgatc 60

cttttgtaaa cacaatggcg gcgccggcga tgtttcctaa ggcgacgagg aaagcctccg 120

tgggcggccg ggcgtggcgg ctgctgcggc tggccgtgct ctgggcgcgg aaggggagcg 180

cggcgcagag cctccgcctg ctcaagacgc tgcggcacag ccgcgtcggc ggcctcggcc 240

tcggcggccg gcgcaacgac cggctgcact acggcgagcg ggagttctcc atcgacgaga 300

cgccggcgtt ccggttccgc accccc 326

<210> 8271
<211> 316
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035f09b1

<400> 8271

ttcttccaaa acgcacccac caccacaact ccggcggcgg cgaccagacg aacacgagca 60

ccaaggcgat ggcgactgct ctcaaccgcg gcctccgctc cgggatccgc ctgctcgcca 120

ccggcgccga ggcctccaag ccagcttcac gtggattcca tgctaccggt gtgaagagga 180

tgtcagggca tggccatgat gagccatact acctccacgc caagcacatg tacaacttgc 240

acaggatgaa gcatcagaag ctgactgcat ggacttcggt gctgggagct gtaagcattg 300

gtgtcggtgt cccggt 316

<210> 8272
<211> 340
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035f11b1

<400> 8272

tcgctctatt accagcttcg gttccacgcg cgcccccggc gctgcgccag cgcccctcct 60

cgccggtgcc gcccccggtg accgctggcc cgggccggca gacgccgcct tcgacacgtc 120

tacccctgcc gccgcctggt cctccgcctg ccggggcggt ccgcctcggc gtctcgtgga 180

gccagatcgt ccgtgcggaa tcggcgggca gcgttcaagg ccctggcttt tcggtccctt 240

ttgagccggt ggtgtcgtcg gtgctctcgc gcacgctggt ggatgatcca gtggactgcg 300

tcttcctgga gtcaggtctg gacttgtggg ccctggagga 340

<210> 8273
<211> 399
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035f12b1

<400> 8273

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ggagacgaca gacccccaca gagtggtggt gcgtataatg aacaaaggca gcatccacaa 120

aaaggagacg cacggaacaa gcgacgacat aagcgagaac acgcctgtgg agaaggtcag 180

gggccccaat ctgtttgaac ggaccaagga agagatcgag gctcttgtgg cggctgttca 240

cgataagatg gagcaccatt ccagtccccg cgggaaggag ggtgaattgc acaaggattc 300

caaggaacac agcaaggcag acatgcataa gaagacccac gagaacgaaa ctcatggtac 360

aagcaatgat ataagtgagg acacgccggt cagcaaagt 399

<210> 8274
<211> 294
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035g01b1

<400> 8274

ttgttgcgcc agagcgagag agctttttcc tgaccgtgac atgacaccgc atctgcccgt 60

gtcgccccac cccgcccacc acctgctcga cgcgctgccc ccgtagacgc accaccgccg 120

ccttcgcagg cgccggcgat tttgcccgcc gcgccctagg gccttctcct tcccctgctc 180

cctccgctgc cgcgccgccg ccgacgccgc gccgcagccg gcggctgctg cagcgaggac 240

cagggtgttc gacgtgtcgg acctgcacac cgactacccg gagaacatgg agtg 294

<210> 8275
<211> 366
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189035g02b1

<400> 8275

tcgttgtcgt ccgcaaggag gccgagaact gcgactgcct gcaaggattt caagtctgcc 60

actctctggg aggaggaact ggttctggta tgggtacact gctcatctcc aagatcaggg 120

aggagtaccc agataggatg atgttgacat tctcagtctt cccatcaccg aaggtgtctg 180

acactgtggt ggagccttac aatgctacac tttctgtaca ccaacttgtc gagaatgctg 240

atgagtgcat ggtgcttgac aatgaggctc tctatgacat ctgcttccgc actctgaagc 300

ttgctacacc cacantttgg tgatctgaac catcttatat ctgcaaccat gagtggcgtc 360

acttgt 366

<210> 8276

<211> 317
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035g03b1

<400> 8276

tctgtcgcgt gggctccgct acagccctga ctcggagatc caaacccagg attcctgagc 60

tcctcatacc tacaaattat taggtcgtgc ttttcggctt ccttctgtct ccttagcttt 120

ccccatttat tgcaaccttc tcaaatctca agattccaac tggtcaagga agtgaagaac 180

aaggacagaa ggacatggat gccttaagtt caatgctcga caaggcgaaa gacaaggtga 240

aaagcaaccc tgatgtgatg gagaaagtca attcggtcct cgacaaggtt aagaaccacc 300

cagaagtcat ggagaaa 317

<210> 8277
<211> 429
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189035g04b1

<400> 8277

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ctttcccatc cgtcctccgc tgccgtggct gtaccgcact gccgcgctcg ccgttcccac 120

acaccctcac tagccactcc cattattccc acctgtccca gttgatcttc cgatcgcctg 180

cccgttcacc ttctctctgc gagcagccca ggccggaggc atgtcggcca agaagatcgt 240

ggtgaagctg gagctgcatg acaacaagga caagcagaag gccatgaagg ccgtctccgt 300

gctcgtcggc atcgacgcca tatccatgga cctggcgtcg cgcaagatga cgngtgatcg 360

gcacggtgga cccggtggcc gtggtgagca agctgcgcaa gggttgggcg gcctacatcg 420

agtccgtcg 429

<210> 8278
<211> 235
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035g05b1

<400> 8278

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cgtgctcgct ctttgtttcc atatatatgg tatcgtccta gcctgtgtaa ctataagatg 120

aataaaagtc tcagaaacta agtactccct ccataaagaa atataagagt agtgatctag 180

acgctcttat atttcttcgc ggagggaggt attttcctga gaatttatac ttctt 235

<210> 8279
<211> 361
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035g06b1

<400> 8279

ttttatcggc aacaacctga ccaacaccgg actggccgcg atcctcgacc actgcccccg 60

cctcgagtcc ctcgacgtgc gccgctgctg caacctccag atggatgatg ccttgagatc 120

caagtgcgcc aggatcggga acctcaggct tccccgggac cccatcaacg acttcaagta 180

ccgggcttac ctcgctatca gtgatgacta ccccggcggt tccgacatcg aggtcgacat 240

gtacgatgat ctgctggacg tggtcaccga cgaggaggat gccgagttcg atgacatggc 300

tgattatatc gaccgtgtgg gctcggacgc tgacatgtat gatgacgtgt tcgacgatgt 360

c 361

<210> 8280
<211> 298
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035g07b1

<400> 8280

ttcgctaatg ttcggaacga tgttctggga ccttggaagt aaaactcgaa gatcacagga 60

tctattcaat gccatgggat caatgtatgc tgcagtacta tacatcggag tgcaaaattc 120

tggttctgtt caaccagttg tcgtggtgga gcgaacagtc ttttaccggg aaagagcagc 180

tggcatgtat tcagcttttc catatgcatt tggacaggtt gctatcgaat ttccgtacgt 240

attggttcag gctttgatat atggcgggct agtctattcc atgattggat tcgatgga 298

<210> 8281
<211> 427
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035g08b1

<400> 8281

ttccacgcgt ccggaagtag tactaaaatt gatacgagga aaatagcatc aaaatgcata 60

tacgaatgca taatatcacg tgccttttat tgagttaatt tacaacattg cacatgtttt 120

ctgtgtggtg ttaactttat agttctgtaa tacactagac ttgctctggc taagtttctc 180

cgaatatata tggtagaata gcctactaat ttttttaggt ttagcacata aattaaagca 240

cagttactgg gtttgtagaa ttgtaggcct ggttaattgt gtggtgcacc actgcaaccc 300

aagtgttccc tgttcttgtt agccattgaa caaacgcatg gttcgctgct cagtgtcagg 360

gccctgctga ggttaatgtg gtgaaagatg tgtaaagctc actagcgggc ttgaaccagc 420

ttaaacg 427

<210> 8282
<211> 333
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035g09b1

<400> 8282

tgcagcgctc acccagtaag ctaacgaacc cgaccacccc ccggtagctc ggcagccatg 60

aactgcggaa ggggtcccgc tccggcgacg atggtgcgct gcaggcagtg cagcgccagc 120

gtcgccgcgc ctgccggcgc ccgtgccgtc cagtgcgcgc agtgctgctg cgtgacccgc 180

gtgagcgggg ctggccgaca gctcagtgtg atgcgcccca tcccgaactt tggcggtggc 240

cgcggcaaga agcgcgccgt gctcgtcggt atcaagtaca ccaagacgcg tgcctgcgag 300

ctgaggggcc ccatcaacga cgtcaagtgc atg 333

<210> 8283
<211> 303
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035g10b1

<400> 8283

tttgttggat tctgggattc attggggagc agcacctgta gtgaagggca tacgggatgc 60

aactcttgat ttactgcaca tccttgtagc tgtacatgcc gaggtatact cgggtgctag 120

gcctttgttg gagaaaacga tgaaaatttt ggtcgagggt ttggtcgaca tctttgttag 180

tctttttttat gagaacaagg ccaaagatct cagaatgttg gatgcaaatg gtttttgtca 240

gctcatgcta gagctcgagt attttgaaac cgtgttaaac acatacttct ctactgaggc 300

aca 303

<210> 8284
<211> 404
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035g11b1

<400> 8284

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cctgggagga agacctctac acagagttag attcaacttt acggacaatg ctgggctgcg 120

tggaattcct ggtttacatg agtgtggccc tcatttatca gtcgctgcaa agatcggcat 180

ggctttcggg gtacttgtag cttttctgtt tctagttgta tttgctgcat gctggtggaa 240

aaggaggcaa aacgttatcc gtggtcagaa attagctgca gcaagggaag ctccgtatgc 300

taaatcaagg acccagttta cacgggatgt gcagatgggc aagcaccacc gcccgcatga 360

gacgagccca cggggtggca acaatgaaag ctcgccacat ttgc 404

<210> 8285
<211> 308
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035g12b1

<400> 8285

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cgagcctctt cttccccgat catggagcag actttcatca tgatcaagcc cgacggcgtc 120

cagagaggcc tgatcgggga tatcatcagc cgattcgaga agaaagggta ctacttgaag 180

gggatgaagt ttatgaatgt ggataaatcc ttcgcgcagc agcactatgc cgatctctct 240

gcccagccct tctttgccaa gttggtggat tacatcattt ccggccctgt tgtggccatg 300

gtgtggga 308

<210> 8286
<211> 220
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035h01b1

<400> 8286

ttgtaccccg ggccgccggc gaccgccgcg agagcgagac cctagccaag gtctccctat 60

cgtcggtctc ggccgccgcg gcggaggtct caaccttccc cctcgacgcc ctcaagacgc 120

gcctccagct ccgccgcagc accggtggtg gtggtggtag cggcggtggc gtcttacgcg 180

tcgcgggcga gctcgtccgc gacgggggggt tctaccgggg 220

<210> 8287
<211> 284
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035h02b1

<400> 8287

ttcttaaacc caaccccgcc gccgccactg ccgtcgccgc cgcagcgcgc ggaggcgacc 60

accccgcctt cgccaagatg cagatcttcg tgaagaccct gacgggcaag accatcacgc 120

tggaggtgga gtcctcggac accatcgaca acgtcaaggc caagatccag gacaaggagg 180

ggatcccgcc ggaccagcag cgtctcatct tcgccggcaa gcagctcgag gacggtcgca 240

ccctcgccga ctacaacatc cagaaggagt ccaccctcca cctg 284

<210> 8288
<211> 313
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035h03b1

<400> 8288

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cgatctttta tgaaattatg tggtggcaga gcaggcaggc aggggtggta cctccaagga 120

gaggatatac aggtacacct gagtcattat acaattttgg aagaaacaac agagttcatg 180

cacctggaaa aaaaggggcc aaggggagct ctgctagggg agattcagca agtgccaccc 240

catggtgcag ggcgttggcg atggatgatc attactcctg agggggaatg gggctgggcg 300

tggcagcctg ctc 313

<210> 8289
<211> 310
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035h04b1

<400> 8289

tgataggttc catgtgaacg gcacttgcac atgggtaagc cgatcctaag ggacggggta 60

accccggcag atagcgcgat cacgcgcatc ccccgaaagg gaatcgggtt aagatttccc 120

gagccgggat gtggcggttg acggcgacgt taggaagtcc ggagacgccg gcgggggcct 180

cgggaagagt tatcttttct gcttaacggc ctgccaaccc tggaaacggt tcagccggag 240

gtagggtcca gtggccggaa gagcaccgca cgtcgcgcgg tgtccggtgc gccccggcg 300

gcccatgaaa 310

<210> 8290
<211> 175
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035h05b1

<400> 8290

ttcacgcgtc cgccacgcgt ccggaatgaa tgcttgtaat attagcaata tcatattttg 60

ggctcctata acattgcacg ttgctttgaa aatgcatcag aactgggcta ggcccaagat 120

agcttgcggt gtgatgtgtt gtaatgtcaa tggtataata attttttttgg attgg 175

<210> 8291
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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035h06b1

<400> 8291

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cagaagcaga aggcgctcaa ggtcgtgttc actctccacg gaaagaatgc cctgcttgtc 120

cttcttctcc aggtccgtcc tagtcatgga cggaggggat tgccaggatc ttcatcatgt 180

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cgtggacatg aaggaccaga agatgacggt ggtggg 276

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<212> DNA
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<223> Clone ID: uC-tsrow189035h07b1

<400> 8292

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tgctggtgta cgagtacatg ccccagggca gcctggagaa ccacttgttc cggcggggca 120

gccagccgcc gctgccgttg tccacgcgcg tctccgtcgc cgtcgacgtc gcccgcggcc 180

tcgccttcct ccactcccgc gacgtcatct tccgggacct caag 224

<210> 8293
<211> 372
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035h09b1

<400> 8293

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tggtgggagt ttgatgatga gtgtgtatcc agccttggtt ttcacccttt tggtgaaaaa 180

ccaggcaagt catctgataa agcggatcag aaatctgaag gtacttctac cgaaggctct 240

gtggcaaatg gtaataacag tagccatcat gatgctgcac cgacttctaa tatgggagaa 300

gatgttctct tccactgatg cttacatgct aatgtacaaa cgttcgagca aggatgaaaa 360

tggtattaaa ag 372

<210> 8294
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<212> DNA
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<223> Clone ID: uC-tsrow189035h10b1

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ggttccttca gctaggcctg ccaacaatgt gaagaaggct gaagctacag gtccatcacc 120

tgtgcctgtc aacaatgcga agaaggctga agctacattt tcttcaccag ggcctgtcaa 180

caatgtgaag aaggctgaag ctacagctcc ttcacccagg cctgtcaaca atgtgaagaa 240

ggctgaagct acagttcctt cacctgggcc tgtcaacaat gtgaagaagg ctgaagctac 300

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<211> 254
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189035h11b1

<400> 8295

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atgtcggcgt tcgagtacca cgacacggac ccgcgcttca accgcgtctt caacgagggg 180

atgaagaacc actccatcat catcaccaag aagctcctcg aggtctacaa gggcttcgag 240

ggcctcggca ccat 254

<210> 8296
<211> 73
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038a02b1

<400> 8296

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ggtagccgcc gcc 73

<210> 8297
<211> 73
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038a03b1

<400> 8297

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gacgcggggg agt 73

<210> 8298
<211> 146
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038a05b1

<400> 8298

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gagtttttgc tggaactaat gtgatgcgta tcatcaacga gccaacagca gctgcaattg 120

cctatggtct tgacaagaag gctacc 146

<210> 8299
<211> 213
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038a06b1

<400> 8299

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ctcagcagca gcagtcggca ccggagttgg atg 213

<210> 8300
<211> 336
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038a07b1

<400> 8300

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ttgggatttt cagcatgcat ctttctttgg tgtgtcggcg tcacctagca ccaatgtgtt 180

tagaactact cctactggac atcattgtcg aaccaatgtt ttaaaactac tgggcaacat 240

tgtcaaggtt ggaattttcg gacaaagtgc gctctggtga tgaaacctag cttgttcatc 300

attaataaag tataataaag tagaggctgc gatctc 336

<210> 8301
<211> 367
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038a08b1

<400> 8301

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ccgccgtgct gtgcctgcag ctgccggtcc acagccgcgc gcagctgcgc gtggggttct 180

acaacaccac ctgccccaac gccgaggcca tcgtccggca ggccgtcacg gccgccttcg 240

ccaccaaccc cggcgtcgcc gccggcctca tccgcctcca cttccacgac tgcttcgtcg 300

agggctgtga ttcatcggtg ctcctgtccg tcaaccccgg cggaggcacg acggagcgcg 360

aggcagc 367

<210> 8302
<211> 442
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038a09b1

<400> 8302

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atgacattcc agttctagac ttcttcagca tttggttcct ggggatgcta ttgctgaaat 180

tctggactaa tttggctcat tggacaaggg acgcgccttt cctggctcat ttcattgatg 240

gaagatggga ctggaagctt actcgggcaa aggatgatgg ctttgcaggg ttgagggcaa 300

agtgggtctt gcaagatata ttgatgccta tcaccatgaa gctagtgatt gttctgtgtg 360

ttccttatgt gcttgcgaag ggccttttcc caaggtttgg ctactctgct gcggtgaact 420

cgacggtgta ccatttcgca tg 442

<210> 8303
<211> 362
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038a10b1

<400> 8303

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cctggaggat ctacccaaga agagccccta caagaagatc aagtcatgca ggagcaacat 120

caatctagac ggaaaccaga gagattgccc cgtaactggt tctaacaaca gcaaaggaat 180

cgccaagcag agctctgcga gttcctgcgc gaatctgatg atggcgcgga ccagcagcgc 240

caacatgctc tacaggccta cggcgatccc tgttaacaag agcgcgtgcc accagtaggg 300

ctcgcagctg cctggaaatg tccgtccatg gctggcctcg cgcctcttct ttgttccttg 360

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<210> 8304
<211> 334
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038a11b1

<400> 8304

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tgatgtgtta ccccagctca tggttcagga ggccaagctg gaagagggcg ccctggaagc 180

cctcctactc atgaagaact cagcaattac gctcttagat ctgaggaagt gctttcagtt 240

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cataatgcta aaggatactg ctgatgatgt actc 334

<210> 8305
<211> 86
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038a12b1

<400> 8305

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cgacgtctgc cgcgagttcg cgcagt 86

<210> 8306
<211> 415
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038b02b1

<400> 8306

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gccaggacaa atttgttcaa gttgctggtg gattttcttg tgctctagat ctggtggagc 120

acattaaagc caagtatggt gattactttg gcataactgt cgctggctat ccagaggcac 180

accctgaggt aatactaggc gaggaaggtg ctacggagga agcatatagc aaagatcttg 240

cttacttgaa gagaaaggtt gatgctggtg ctgacgttat agtcacccag cttttctatg 300

ataccgatat ctttctcaag tttgtgaacg actgccgtca gattggtata acctgcccta 360

tcgttcctgg cataatgcca ataaataact acaaaggatt tgtgcgcatg actgg 415

<210> 8307
<211> 465

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038b03b1

<400> 8307

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ttacgtttca gtccctgtag cttctttttt ccttacagtc tactccccgt tccgttgcaa 120

aaagcccctg agctctgtca cattctagcc tcgactcctt ggtcttggga ggagttcgtc 180

gcagatccga tctagagagc ctccccgcac cacccatgtt taccttcccc ttcctctgac 240

ggccgccgtc ccccgatgaa gctgcgcgtc cgctgccgct cccactcctt ctccgtcgcc 300

ttcctctact ggttctacga cttctcatga actcctcgcc cctcgacaac gccgcatcca 360

tcctgcctct agttgattag atccagctcc gtttcttccc ctttcctgtc tttcttcttc 420

ccgccatcaa agaaaagaga tctttttcct ggttcttgga tcgag 465

<210> 8308
<211> 358
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<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038b04b1

<400> 8308

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aagtttgtga ctggatgttc tcgcgggcca ctccttggat ttgagtacct tgatcctaaa 180

ttctgcattc agagagctgg tgtccccggc ttggaggaac atggagaccg tttgcccacc 240

tcggctactt gcatgaacct tcttaagctc cctccttaca gaaccaagga gcagttgcaa 300

accaaactgt tgtatgcaat aaactctgaa gccggtttcg atctgagcta attgcatt 358

<210> 8309
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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038b05b1

<400> 8309

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actcaagggc cacgttgaat ccgtggtgaa gctcaagggc cttgacatcg acaccatcaa 180

ccagaactac accgtgtgag gaaattggac attgaaccaa caaacatgac attcgtgttg 240

gagctagatt ggaatggagc tccgctttaa gatttt 276

<210> 8310
<211> 393
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038b07b1

<400> 8310

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ggagcacatt gtgatctgca cttgctcttg caaaatagtt tctatcaaat aatctgctca 180

gttgtttcta acttttagtt gtatggaatt tctgtgtgcc tgaacatcat tcttgaaagt 240

aacaggggaa cttactttct tctggtattc tattgttcca tcctgcttat gtatcttcta 300

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acatcgtcga cggtgacgac cggtcttgta tct 393

<210> 8311
<211> 347
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038b08b1

<400> 8311

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cttgctaaac ggcgcttccc ctgcccgccg gcccatgtcc acctcctcca tcagtcgcaa 180

gccgacatct agtgccaagc ctcacggcga gctggaattg ctggaaatgc gattcaagaa 240

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gttgttctgg gaagacatcc aaactcatcg gctcatcact caccttg 347

<210> 8312
<211> 401
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038b10b1

<400> 8312

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cgcgcgatgg gtttgggact gagattgccg ttcttcctac tcctcttgct gctggtcagc 120

ctgggagccg cacaaggccg gagcacaggt atatctcaca caacagccct ttccaatccc 180

atgatgctag ttatgttgtt tattcatctc taaatcgaca tcagtggctc ccacatgtaa 240

atcgggaagc acccttaaga acatgtaaat cgggaagcac ccttaagatt ttttctgcgc 300

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gataccctg ttgtgaaatc atcttatgcg agttcccagt a 401

<210> 8313
<211> 331
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038b11b1

<400> 8313

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gacgacaggc acaagcagaa ggctatgcac gtcgtctcgg gtctccacgg tatcgaccag 120

atcgccgtgg acacgaagga ccagaagatg actgtcattg gcaccgtcga ccccgtcgtc 180

ctcgtcgaaa ggctgcgcag caagttcccc atggcacaga tgatctccgt cggcccggcc 240

aaggaggaga agacggacgg cgccaagaag gaaggcgaga agaatgaagg cgacaaggag 300

gagggcgaca agaaggagca agtggtgtac c 331

<210> 8314
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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038c01b1

<400> 8314

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accctgccgt cagggttggt attgtattct gtggaaggca gaccccagga ggccacaatg 180

tcatatgggg actccatgag gccatcaaag ctcacaacgt gaacagcaaa cttattggtt 240

tcctcggagg aaccgatggt cttcttgcac aaaaaacttt ggagatcaca aatgaagttc 300

tttcttccta caaaaaccaa ggtggttatg atatgcttgg tcggac 346

<210> 8315
<211> 345
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038c02b1

<400> 8315

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acactgcatc gtcttgtaaa attcttcgga aggcaaggac tggataaaag ggaccttgta 240

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tacaatcagc atagagataa caaaccggac atgacactgg agaaa 345

<210> 8316
<211> 411
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<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038c03b1

<400> 8316

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acgagtaaat cggaacggag ggagtatatc ttatgtaatg tatgccagaa ttttgcacct 360

ttttttgca acacccattt atatgtgtgg atcgaggtga ctgctttttt t 411

<210> 8317
<211> 410
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038c05b1

<400> 8317

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ataggactgg tgatgaacga cagaggattt atttctcgtg ttctctgccc caaattcggt 180

ggatacctta cttttggctc tcttgaaaaa ggaaaagaat ctgcaccttc acagccaacc 240

gctgcagact tgatcaatgt gtacaacatt agacagatag gcccagatac caaggtgttt 300

ggtattattg gaaatcctgt tggacacagt aaaagcccgg ttttgcataa tgaagctttc 360

agatcagtgg gtttgaatgc tgtgtatgtg ccatttttgg tggatgactt 410

<210> 8318
<211> 348
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038c06b1

<400> 8318

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ggcttgatcg gtacatatgg attgttggaa tgatctatgc ttactttcac cctaatgtgg 240

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ccattgtgac tctatcagtc ctggctggct atctgtggta tgaatata 348

<210> 8319
<211> 450
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038c08b1

<400> 8319

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atgaagaagg ggcaattcct ctccatgatg cttgtgctgg aggcttcact gagatagttc 180

agtacattct cagttttgct gcaaatgctg agggttgtgc aacgcgaatg ctcaacaccg 240

ttgatgctga aggcgatact ccactccacc atgctgccag aggggaacac atggacaccg 300

tcaagcttct gctcgaagct ggcgcatgtc ccaagaagga gaatgcctac gggcaggcag 360

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aggccagcat acatatggcg gactgatgat 450

<210> 8320
<211> 446
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038c09b1

<400> 8320

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ttaagacaac ctcctgtaga gaatacatca tactggtgta tcacctggtc tgtgcagcca 180

atgccagaac catacacata gaagaagaag cattgtttcg cggcattgcc cgtgtagtgt 240

cagccccatc cctgggcctt cgccgcttta ccattctgcc aagattcaat tcatctcttg 300

aattgtcagc tattagtgta ttgctgcgaa aagcgttgct tacctgtaag tctgtcttaa 360

atctgtaata cagcaccatt actctgtatc accatggatg aagcccagca tatgctatat 420

tccccaggag ttgaattctg agctac 446

<210> 8321
<211> 403
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038c10b1

<400> 8321

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tccccctcga gcgccccatg ctgctcaagg agcgctcctc ggggatgtac cgcctctcct 240

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tcgtcctcat cctctactgg atgggcggcc tcgacccacg cccggcctcc ttcctcctct 360

ccctcctcgt cgtcctctac agcgtgctcg tcgcccagag cct 403

<210> 8322
<211> 338
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038c11b1

<400> 8322

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cgtgcgtgat ggctggggag gaagccaaga aggcggcgcc ggctgctgcg gcgccggagg 120

cagtcgcgga gaaggatgtg ccggtggtca tcccgcctcc tccgggggtc aagccaccgg 180

ccgacgacgc caaggccctc gtcgtcgtcg acagcactgc cgagaaacct caccctgaga 240

agaacatcca caggggctca catgaaagag acgtcgctct tgcaaaggtg gagacggaga 300

agatgagctc tttgatcaaa gcatgggtag agaacgag 338

<210> 8323
<211> 341
<212> DNA
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<223> Clone ID: uC-tsrow189038d02b1

<400> 8323

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aacccttgcg attacttcca gggtggcaaa ataaaagcaa caaccctctc cctgtctgtc 120

ttggtgtcca ttgagatgtt caactcactg aatgccctgt ctgaggatgg cagccttctg 180

agcatgcctc cattggttaa cccctggctt cttctggcaa tgtcggtgtc atttgggctt 240

catttttga tcctctacgt gcctttcctt acccaaatct tcgggattgt gcccctcagt 300

ttcaacgaat ggcttttggt cgtagcagtt gcattcccag t 341

<210> 8324
<211> 394
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038d03b1

<400> 8324

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gggcacgcca ttgctgggca agtacgagct cgggcgactg ctcggccgcg gcacgttcgc 180

caaggtgtac ttcgcgcacc cggtcactgg cggtgagcca gtggcagtga aggtgatcga 240

caaggcggag gtgatgggca tggagggcat ggcgcctcgc gtgctccggg aggtggtggc 300

catgcgccgg cttcgccacc cgggcgtgct ccgcctccac gaggtgctcg ccacgcgctc 360

caggatctat ctcgtcatgg agctagcccc ccgt 394

<210> 8325
<211> 343
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038d04b1

<400> 8325

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tgccccacct ggcaggcccg cggatcgcgc cccagcgccg ccacttcgcc ttctcctccg 180

cctcccccgg cgccggcggc ggggcgaggg acagtgagcc gctgttcacc gagcagaccg 240

tctacgacct gctggcccag ctggagcggg agcggcagaa ggaacgcgag gatcggcgca 300

aggccggggc cggcggcggc ggcgagggga agggggacga gga 343

<210> 8326
<211> 221
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038d05b1

<400> 8326

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gctgatgagg gacttcaagc ggctgatgca ggaccctcct gcgggcataa gcggggcgcc 180

gcaagacaac aacataatgc tgtggaatgc tgtgattttt g 221

<210> 8327
<211> 442
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038d06b1

<400> 8327

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ggactggggc accaccgaca ctaacatcgc acaaactgtg caagtggtag atttcctcgc 180

atccaggtac gccaaaagcc caagcctcct cgcagttgag ctaatgaacg agccgttggc 240

gcccggcgta tccctggaga gcctaaaaac gtactaccgc gacgggtaca atgccgtcag 300

gaagcactca tcggatgcct acgtgatcat gtccaaccgg ctgtcatccc cggacccaac 360

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gttgttcaac aacatgtttg at 442

<210> 8328
<211> 336
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038d07b1

<400> 8328

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gaatctctca ccatctatct cccgtggctt ccttgtctgc ctgcccacga cttgcctacg 120

ccttgccttc ggggttggtg agcgagcgag ctcgggatca gttggcgact acacacccag 180

aggttgttgt ccgagaatta tttaggcccg ccccttctt ccttccacgc cgcctcgcct 240

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ccaggttctt ggaggagggg ggaagccatg ggcagc 336

<210> 8329
<211> 345
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189038d09b1

<400> 8329

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cctcccccca gatccggcac cgccaccgcc cgcgccccga tccccgcccc ctcgtctgcc 120

ggtcgggggа tcagcaccag cgccgatcga ggggtaggag gaggaggagg aggacgagga 180

ggaggcgggt gcgcgcgaca tggctgcgcc gccggcgagg gcccgggccg actacgacta 240

cctcatcaag ctcctgctca tcggggacag cggtgttggc aagagtcgcc ttcttctgcg 300

gttctctgat ggctccttca ctacgagctt tattaccacg atcgg 345

<210> 8330
<211> 447
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038d10b1

<400> 8330

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cgaagaaggt ggaagtggct ttgctgcttc tgcagcagct gctgcagcca ccggagctac 180

tggatatgat tttggcgtgg acccaaatgt ggacccagag ttggcacttg ccctacggtt 240

gtctatggag gaagagcgag ctaggcaaga ggctatcgcg aaaaaggctg cagaagacaa 300

caaggatcag ccctcaagct ctaccgatgc tattatggct gaagcggaac ttaccttaaa 360

tgctcctgct gatgttgacg cagatctact caaggatgat gatgatgctc agctactaca 420

gcaagcactt gctatgtcaa tggatga 447

<210> 8331
<211> 459
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189038d11b1

<400> 8331

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cacctccccc ctctcctctc cggcgcgcct ccccccaccg gcgaatccgc aaccgaatcg 120

aatcccagga tccgcgtcgg cgggcggcgg cggaggcaca tggcgcaccg ggtggacaac 180

gagtacgact acctcttcaa gatcgtgctc atcggcgact ccggcgtcgg caagtccaac 240

atcctctccc gcttcacccg caacgagttc tgcctcgagt ccaagtccac catcggcgtc 300

gagttcgcca cccgcaccct ccaggtagaa ggcaagacaa ttaaggctca gatatgggat 360

actgctggcc aagagaggta ccgtgcaatc acaagtgctt actacagggg agctgtggga 420

gctctnttgg tgatgacata acaaagaagc tatcattcg 459

<210> 8332
<211> 385
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038d12b1

<400> 8332

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tcctctccaa gccacgcgag accagccatg gcggcgacga tccagtccgt gaaggcccgc 120

cagatcttcg acagccgcgg caaccccacc gtcgaggttg atgtgtgctg ctcagatgga 180

accttcgcca gggccgccgt tcccagcggt gcatcaactg gtgtctatga agctttggag 240

ctgagggacg gtggatctga ctacttgggc aagggtgttt ccaaggctgt taacaatgtg 300

aactccatta ttgcacccgc tttggtcggc aaggacccta ccgctcaaac tgagctcgac 360

aactttatgg ttcagcagct tgatg 385

<210> 8333
<211> 391
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038e01b1

<400> 8333

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ccaggacttc tgcgtcgccg acctcgacgg caaggcaatc tcggtgaacg ggcacacatg 180

caagcccatg tcggaggccg gcgacgactt cctcttctca tccaagctgg ccaaggctgg 240

caacacgtcc actcctaacg gctcggccgt gacggagctc gatgtggcag agtggcccgg 300

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gtcacacatt cacccgcgtg ccaccgagat c 391

<210> 8334
<211> 409
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038e02b1

<400> 8334

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ctccggtagg ccaggtagtt aacagctcca gcagccatgg gaaaggagaa gatccacatc 120

agcattgtgg tcattggcca tgtcgactct ggcaagtcaa ccacgactgg ccacctcatc 180

tacaagcttg gaggcattga caagcgtgtg attgagaggt ttgagaagga agccgctgag 240

atgaacaaga ggtctttcaa gtatgcctgg gtgcttgaca agctcaaggc tgagcgtgag 300

aggggtatca ccattgatat tgctctgtgg aaattcgaga ccaccaagta ctcctgcact 360

gtcattgatg ctcctggtca ccgtgatttc atcaagaaca tgatcaccg 409

<210> 8335
<211> 374
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038e03b1

<400> 8335

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ttcattccca ccatgagcaa gccatgcgac ggtgccaatc ccaagacgga gtggcctgag 120

ctggtcgggc gcacgatcaa ggaggcggag gagaagatca aggcggaccg accggacctc 180

aaagttgtca ttgtcccggt aggaagtgtt gtgacacagg aggtcgatct gaaccgcgtc 240

cgcgtctggg tcgacacagt ggcggaggtt cccaagattg gctaagctag cttgtaatta 300

gccaactgga ataaaagccc atgcaagtct caacatcgtc cagttaattt gccgaacaaa 360

taagcatggg tatg 374

<210> 8336
<211> 291
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038e04b1

<400> 8336

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ttcggtgctg ggaattatgg aatgtgtgga cgtgcataca gcccgaattt tttgttcatg 120

tggccaactg gtaggatatc tgttatgggt ggcattcagg cagctggtgt tctcgcccaa 180

atagagaaga acaacaggaa aaggcaagga gtggagtgga ccaaggatga cgaacaagcc 240

ttcaaagcca aagtcgtcgt ggcttatgac aaagaaggaa gcccgtacta c 291

<210> 8337
<211> 407
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038e05b1

<400> 8337

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catgcagaca aatgcccacc agacaatata tacgaggttc tggagaatca atttcggagt 120

gaagagaatg aagaaagtat agaagtgaaa gccactagtc agactgtttc aatcagccaa 180

accgaagaga ctgtgattta actgaggaac caaactgtta ttgtcttaag aggacgagac 240

tggatcattt atgcccgtag cagattattg ctttttcgaa tggattgact atagagggta 300

cggtcgggcc taataaactg ggatggaggt agtatttcat cacaaaaaaa tcacaaaaaa 360

ttacacatgt agtgtacatc catatgtgca tttagttttt ttggaac 407

<210> 8338
<211> 276
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038e07b1

<400> 8338

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agaagcggca ggacgagcgg gcggcggcgg ccgagcccac cttccagagc gtggcgctca 180

tcctcggctc cacggggatc gtcggcacct ccctcctcga catcctcccg cgggacgaca 240

ccccgggcgg gccctggaag gtgtccgccg tctccc 276

<210> 8339
<211> 453
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038e08b1

<400> 8339

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cagcagtcca tccacccccа ccccccctttc ccctcccctc ccgagctcgg ccatggcaaa 120

cgcttcgtca ggagctggga tccatgatga ctgcaagctg aggttcgtgg agctcaagtc 180

caagaggatg caccgcttca taacctacag gctggagaac cagaaggagg tcattgtgga 240

ccaaactggg gagcgcgagg ccacctatga ggacttcacc aagaccctgc ctgagaacga 300

ctgccgattc gcagtgtttg acttcgactt caccaccccg gaggatgtgc caaagagcag 360

gatcttctat atcttctggt ctcctgacac cgcaaaggtg aggagcaaga tgacgtacgc 420

gagcaccaac gagatgttca agaggaccct gga 453

<210> 8340
<211> 447
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038e09b1

<400> 8340

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accgtcatcg gctacaagca ccagtccgac cccaccgtaa acaccaccga cgcggcctgc 120

agcggcgtcg gcatcctcgg gatcgcctgg gccttcggcg gcatgatctt cgtcctcgtc 180

tactgcaccg ccggcgtctc aggtggacac atcaacccgg cggtgacgtt cgggctgttc 240

ctggcgagga aggtgtcgct catccgggcg ctgctctaca tcattgcgca gtgcctcggc 300

gccatctgcg gcgtcgggct tgtcaagggc ttccagagct cctactacgt gcggtacggc 360

ggtggcgcca acgagctcag cgcaggctac tccaagggca ccgggctcgc ggccgagatc 420

atcggcacct tcgtgctcgt ctacacc 447

<210> 8341
<211> 410
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189038e11b1

<400> 8341

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gtcacctcgg gggccgccgc cgcgatggtc tccgcgctgc aggccctgcc cacgctcgtc 180

ccgggggtgt cctacctcca cgcgggcccc gtgctccgcc tccgctcgcc ggccgccgac 240

gcgctgggcc ccacccacct cctccactcc cgctacgcca ccaaggccga cctcgccgcc 300

tacgccgccc acccggctca cgtggccgcc gtgcaggcgc acatcgtccc caacgcgctc 360

gacaccaccg ncgtcgactg ggtcaacgcc gccgagtccc cgtcacccgt 410

<210> 8342
<211> 338
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038e12b1

<400> 8342

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gcggcgaagt ccaaccaggc cccaccggag ctccgaccat gggcggcgag aaggagaacc 120

tcgacctctc cgacctcaac agctccctcc ccgccgccgc cgccgccctc agcgccgagg 180

accgcgtcgg tctcgtcaat gccctgaagg ataagctgca gagcttggcg gggcagcacg 240

cggacgtgct cgagtcgctc tcgcccaatg tcaggacgcg tgttgagttt ctgaggggca 300

ttcagagcca acatgatgag attgaggcga agtttttt 338

<210> 8343
<211> 422
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038f02b1

<400> 8343

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tggaagcgcc accgcaaggt cgtccacccc gccttcaaca tggacaagct caagatgatg 120

acggtgacca tgtccgactg tgccgggtca atgatgtcgg agtggaaggc caagatggac 180

aaggggggca gcgtggagat tgatcttagc caccagtttg aggagctcac cgcggatgtc 240

atctctcaca cggcattcgg tagcagctac gaacagggga aaaaggtatt cctcgcgcag 300

agggagctcc agtttcttgc cttctccacc gtattcaacg tgcaaattcc agcattcaag 360

taccttccaa ccgaaaagaa cctcaagata tggaagcttg acaaggaggt gaggaccatg 420

ct 422

<210> 8344
<211> 394
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038f03b1

<400> 8344

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cccgccgtgc gccgcaaggc cgactgggcc ctgcgctgga tcgacggtgg ggagcgcttc 180

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gccatcttct ggctcaagaa gcgcgggctc atgccgggcc tcaccttctc caacgagctc 300

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ggcaagctgg acgagtcacg cgtcttcgag atcg 394

<210> 8345
<211> 478
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038f04b1

<400> 8345

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agcggcagca ctagcaccac caccaccgcc ggcccccgta cgtctcccga tcggatcggc 120

cgtcgtcccc gccggcgagc gagcgagcga gcgatcaaga tggtgctctc ccacgccgcg 180

tcggctggat cctccgatga ctccgtgcac tccaccttcg cctcccgcta cgtccgcgcc 240

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atcaacgacg agctgatgct ggacgggaac ccgcggctga acctggcgtc cttcgtcacc 360

acgtggatgg agcccgagtg caacaagctc atgatggact ccatcaacaa gaactacgtc 420

gacatggacg agtaccccgt aaccacagag ctccagaacc gatgtgtgaa catgatcg 478

<210> 8346
<211> 286
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038f06b1

<400> 8346

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ggagtaccgc tgcttcgtgg gcggcctcgc ctgggccacc gacgacaaca acctccagca 180

ggccttcagc cagtacggcg agatcctcga cgccaagatc atcaacgacc gcgagacggg 240

gaggtcccgc gggttcggct tcgtcacgtt cggcagcgag gagtcg 286

<210> 8347
<211> 394
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038f07b1

<400> 8347

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ggccaagcgc aagctccgcg gcttcatcgc cgagaagaac tgcgcgcccc tcatgctccg 180

cctcgcgtgg cactcggccg ggaccttcga cgtggccacc aagaccggcg gccccttcgg 240

caccatgaag tgccccgcgg agctcgcgca cggcgccaac gccggcctcg acatcgccgt 300

caggctgctc gagcccatca aggagcagtt ccccatcctc tcctacgccg acttctacca 360

gctcgctgga gtcgtcgccg tcgaggtgac cggc 394

<210> 8348
<211> 179
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038f08b1

<400> 8348

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cccgccggcc gtggcccctg ccacccctac cccggtgccg gcgcccggcg cacccgttc 179

<210> 8349
<211> 420
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038f09b1

<400> 8349

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ttcaaaacgt atcctgaagg aactgaagga cttgcagaaa gatcctccga catcatgcag 120

tgcaggtcct tctggtgagg atatgttcca ttggcaggca accattatgg gtcctgctga 180

tagtccctat gctggaggtg ttttcttagt gaatatccat ttccccccgg actacccctt 240

caagccgccg aaggtatcgt tcaagacaaa ggtcttccat ccgaacatca atagcaatgg 300

aagcatatgc cttgacattc tgaaggagca atggagtcct gctttgacaa tctctaaggt 360

tctgctttca atctgcttgc tgcttaccga ccctaacccg gacgaccctc tcgtccccga 420

<210> 8350
<211> 335
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038f10b1

<400> 8350

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ctcgtgtgtt ttcttcgcaa aaaagtgctg gtaactcttc ctcttttaac attccccaag 180

ttgccaaatc tagagctcaa tatatagttg caaatctcaa cttgttagag aacaacaacg 240

atcctaggtt agtttgcaac gcttatcatt tcgcaaggca cggttaacta gaatactcga 300

tcggctgcac taatttccca cgagcagatt ctcac 335

<210> 8351
<211> 222
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038f11b1

<400> 8351

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ttgattgttc aggcttgtgc ttgcgatcct gtctaatctt gtactgaaat gagcattcct 180

gtgctctggt ttaataataa attgtgccca ggtatttatc tc 222

<210> 8352
<211> 404
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038f12b1

<400> 8352

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cagcgaggat tatatcatta accatctcaa gttcagggtt ttggtccacc cctaccaggc 120

acaaggtgat gttgtggtca cgagtgagga tggtgttgcc atggttgagt ctgaccgcaa 180

gagtggcttc cagattgttg gttttgaggt tgttccttgc agtgtgaagc gtgatcctgc 240

agccatggcc aagctcaaga tgtatgagaa ggttgactct gtgaactgcc cgttggagct 300

cgagaaatct caggtgatcc gtgaaaagga gcagattaca tttacctatg aggttgagta 360

tgtcaagagc aacatcaagt ggccgtcaag gtgggatgca tacc 404

<210> 8353
<211> 113
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038g02b1

<400> 8353

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cgactggggc aagtactacg cattcaagtc cttctacgac cccgtgaaga agc 113

<210> 8354
<211> 301
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038g03b1

<400> 8354

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tggacccaag ccggtcattt gtgctggcag catctgccga ctgcttgatc aagctttggg 120

actgggagaa tgactggacc agcgttcgaa cattcagtga acactcagac aatgtgcagc 180

aagtcatgtt acaccagcag gaaaccaaca cttttggcag tgtttcaaag gattgcaccg 240

caaaggactc gagcattact tctggtgatt ctttggccac attgagcagt aaatcacaac 300

a 301

<210> 8355
<211> 392
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038g04b1

<400> 8355

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tctccaccct catcttcgtc ttcgccggcg tcggctctgc catcgcctac actaaggtga 180

gcggcggcgc gccccttgac ccatccgggc tgattgccgt ggcgatatgc cacgggttcg 240

ggctgttcgt cgcggtcgcc atcggcgcca acatctccgg cggccacgtg aaccctgccg 300

tcaccttcgg cctcgccctc ggcggccaga tcaccatcct caccggcatc ttctattggg 360

ttgcccagct cctcggtgcc atcgtcggcg cc 392

<210> 8356
<211> 387
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038g05b1

<400> 8356

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ccgcacacac gggggtggtc tattgtccgt cgagactctc tgtttgggtt ccaagaagtg 180

tgcgcggggg agacgccgga gatgggttcc tgcgcgtcgg tccacaagga ggacgtcgag 240

ctgcccaaga agcagcagct gctcgccccc tcgccgccgt ccaaggacgg caccccccgtc 300

ggcgacgtcc tcgtcgacct caagcgcaag atcgaggggt tcggccctgg cggcaggacc 360

cctgactccg gtagcaagga tgagatg 387

<210> 8357
<211> 405
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038g06b1

<400> 8357

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agcatggctt cttcgagctg cagccaaagg aaggcctagc catggtgaat ggcacggcag 120

tgggctcagg gcttgcatcc atggtgcttt tcgaggctaa catccttagc ctccttgctg 180

aggtcttgtc agccgtcttc tgcgaggtga tgaacggcaa gccggagtac accgaccact 240

tgacccacaa gttgaagcac caccccgggc agatcgaggc tgccgccatc atggaacata 300

tccttgaagg cagctcctac atgatgctcg cgaagaagct cggtgagctt gacccattga 360

tgaagccaaa gcaagatagg tatgccctcc gcacatcacc gcagt 405

<210> 8358
<211> 458
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038g07b1

<400> 8358

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accggagcag ggatcgagcc cgccgaaggg gggaagacat ggggacactc gggcgcgcga 180

tctacacggt gggcaagtgg atccgtggaa cggggcaggc catggaccgc ctcggatcca 240

ccatccaggg cggcctccgc accgaggagc aggtgtcaag gcatcgtaca gtcatgagca 300

tatttgacaa ggagcctagg atcaacaaag atgtttttgt tgctcccagt gcatctgtca 360

ttggtgatgt tgagattgga catggatcat cgatctggta tggctccgtt ttgagaggtg 420

atgtcaacag tattcgtatt ggatctggat caaatata 458

<210> 8359
<211> 413
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038g08b1

<400> 8359

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aaaaaaagca gagagggagg agatggccgg agacgggcgt cgcgtggtgg tcttcccctt 120

cccgttccac ggccacgcca ccccccctcct ccgcctcgcc agcgttctcc acacccgcgg 180

cttcgcggtg accatcttcc acaccgagct ccgggcgccc gacccggccg agtaccccgc 240

ggactaccgc ttcgtgcccc tgcgcgtgga cgtgcccccg gagctgatgg cgtccgagga 300

catcgcgggg atggtcacgg ccatgagcga gtactccgag gcgcccttca aggaacgcct 360

gaccgcggcg ctcgccgagg aaggcgccgg tgtccggtgc gtcatcgccg acg 413

<210> 8360
<211> 302
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038g09b1

<400> 8360

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tgaaagagca actgaaagca agcaggatta agatcttggc tgccttcctg gtcttcgcca 120

tggttactca aggcttcgcg attcgtgtca aggggacagt gaggaatgac atgacagatg 180

aggctatcag cacgaaaacc accctcggtg caggcagcag cacaacggtg gacaaccacc 240

atgcaatccc acgggatcag tatagtagcc atggaggaga ggacggatct ggtggcagtg 300

gt 302

<210> 8361
<211> 357
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038g10b1

<400> 8361

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ttgatttcca tccgggtccc ttccgttcca cggcaagtat ccgtcgcacg attcaggccc 120

acccctcgac gtcgtccatg gcgctgcagt acgtggaggc gcagcggcag gcgcggccgg 180

acctcgccga ctggtacgcc gacctcgccg acctctacca gcgcaagctc tggcaccagc 240

tcaccctcaa gctcgaccaa ttcctccaga tcccggccgc acagactggc gacacgctca 300

tacagctcta caacaatttc atctccgatt tcgaaacaaa aatcaatttg ctcaaac 357

<210> 8362
<211> 382
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038g11b1

<400> 8362

ttcccacgcg tccgctcaat gatggtacta tcatgacaat atccaaggac agagttaagc 60

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gaacctacct tgccctgatg actgtcgtct tcttctgggt tatccacaag acggacttct 180

tcacaaacaa attcggtgtc aggtcaatca gagacagtga gtttgagatg atgtctgcac 240

tgtacctcca agtcagtatt gtgagccagg ctcttatatt cgtgactcgt tcacgtagct 300

ggtcctttgt tgagcgccct ggtttcctct tggttaccgc cttccttctc gcacaattgg 360

ttgcaacact catcgctgtc ta 382

<210> 8363
<211> 250
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038g12b1

<400> 8363

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gccagccatg tcggaggaga agcaccacca cctgttccac cacatggagg gcgaggactt 120

ccagcccgcc gctgacggcg gcgtcgacac gtacgggtac tctaccgaga cggcggtgac 180

cgccaccgac aacgactgac atgacgagcg gatcaccaag gaggagaagc accacaagca 240

caaggagcac 250

<210> 8364
<211> 199
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038h01b1

<400> 8364

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ccccgccggc ggaggaaatc ggcgaagcgg ctgcggtgcc cgcggccggg atgctcatgg 120

gtgccaaggt gcggcgccgc gcggccgtct accgcgactg catgggcgac tacatcggcg 180

tgcacaacga cccgtgcct 199

<210> 8365
<211> 310
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038h03b1

<400> 8365

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gctgcagtat cacaaattct gaagtcctca ccagagtgaa atggtcagaa gaggaagata 120

aggtgctcac tcaaatgatc aacaaacatg ggctgaaaaa ctggcaaacg gtcgcacatg 180

ctatacctgg ccgaagtgca ccgcaatgcc gacaaaagtg gagatacaaa atagactctg 240

caataaacaa ggaggcgtgg tcggaacaag acgagttgag actgattcgt gctcatcaaa 300

tctatggaac 310

<210> 8366

<211> 116
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038h04b1

<400> 8366

ttcgtacgcg tgggctgttc gctgtatcgc gagtgtaatt tcattagaaa gaaagcgagg 60

tctcctgatg attctgtaac agttttatcc gtaggtcttg aggaattttt tgggtc 116

<210> 8367
<211> 365
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038h05b1

<400> 8367

tcgtgcccat cgttgcgcct cagtcgccac aaggacatct ggtggagggg atccggtgcg 60

aacgacgcac atctcggccc cgtagcagga gcgggaggtg tcggcggcgg agatggtcga 120

tgtggagcct ctttttcccg cgatctggtc ctccccattc atggccattg gcaggagggt 180

cccctcggat ttattccatc ctcggaggtg gcaaccgccc taggaggggc ggtgcacggg 240

cacggctatc ttggtggtcg tgatgttgtt ccgcaactgg ttcgccttcg ggtcggcgcc 300

acagatgagg cctgctgttg cgaccttgcc ctcgttcccg cggcgacgga ctacccccca 360

agatg 365

<210> 8368
<211> 364
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038h06b1

<400> 8368

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tgttggaaat gacggcctct cccttatggc acagcagcac actacacaaa cacaggctgt 120

gagaaagaaa gtaggcggag gatgggatcc cacgtataca aagagaagct ttttcccata 180

ttggagatca gtgttacaag ctggggttcc tttgaaggtg tatccagccc atgcaagctc 240

agatcctagg tctcgtgtta accatggaca actccatgtc tctctgagta actcaatagc 300

caatggatct acaacaactc caaatcataa acttggtcga acctcgccac ttacaagcaa 360

taat 364

<210> 8369
<211> 248
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038h07b1

<400> 8369

ttccacgcgt ccgcgggaag gagctctgca agagcatcaa ccctgacgag gccgtcgcgt 60

acggagccgc cgttcaggct gccatcctca ctggcgaggg caacgagaag gtgcaggact 120

tgctcctgct tgacgtcacg ccgctctcgc agggcctgga gacggccgga ggcgtcatga 180

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actctgac 248

<210> 8370
<211> 297
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189038h08b1

<400> 8370

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aaacccaagc caagaacaca cgctgttctg aatctgtcca tcagtctccg cttccactga 120

ttcgtccagc cgagaagaag aagagctgca gaagatgagc aagctctgga ccatnctcac 180

ccacctccac accctcgcag ggcctggcgt gatgctcctg tacccgctgt acgcgtcggt 240

gcaggcgatg gagagcccgt cgaagctgga cgacgagcag tggctggcct actggat 297

<210> 8371
<211> 300
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038h09b1

<400> 8371

ttctgctgcc tgacccctgc ctcttcgagc aggcacacag cgtggcgctg tgggagatgt 60

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tcatcatgga catcgccgtc agggagagcg gcgacgtttt ccgggtgata agctccctgg 180

tcgacgtcgg cggtggcctc ggcgcggcgg cccaggtcat ctcggaggcg ttcccgcaca 240

tggagtgcag cgtgttggag ctcgagcacg tcgtcagcaa ggcgcccgcc ggcaccagcg 300

<210> 8372
<211> 390
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038h11b1

<400> 8372

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gcaaattgtt ctgaatggga gcaaattcaa atgccttcaa gtgttagatc actagtggtc 120

ttaaatctgt acaactacgg cagtggaagg catccatggg gtgatcttaa accagattat 180

cttgaaaaga aaggttttgt tgaagctcat tcagatgacg gtttgattga aatatttggt 240

ctgaaagaag gttggcatgc ttcattcgtt atggctgagc ttatcaaagc aaagcacatt 300

gctcaggctg cagctatcaa gtttgaaatg aggggaggcg agtgggatcg agcatatgtt 360

caaatggatg gcgagccatg gaaacaacca 390

<210> 8373
<211> 429
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038h12b1

<400> 8373

ttctttatcc ccccccgccc ctcccccccac gaacccacag cgcgcacccg agatccgcag 60

ccgaagcccg tgagaacagc gaagcgcgac aggaaaggca ctgaactagt ttgcaacaaa 120

gaagagagaa aatgtctacc gctgaggcaa cccgtgagga gaatgtgtac atggccaagc 180

tcgccgagca ggctgagcgt tatgaggaaa tggtcgaatt catggagaag gtggccaaga 240

ccgctgatgt aggtgagctc actgttgagg agcgcaacct gctctctgtg gcttacaaga 300

atgtgattgg tgcccggagg gcttcctgga ggatcatctc ctccattgag cagaaggagg 360

agagccgtgg gaacgaggcc tatgtcgcat caatcaagga gtaccgtacc aggattgaaa 420

ccgagctca 429

<210> 8374
<211> 161
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189040a04b1

<400> 8374

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ggagtagctt tcttgggttt gtacctgatg cagtttacca tgaacatgat gggtactcta 120

ttgtcatgag tttgccagag ttgtatgtta gtttctactc a 161

<210> 8375
<211> 376
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189040a05b1

<400> 8375

tcgcacatcc cgtggaggac aggagagagg cggcccgccg ccggcggaat caaacgcggc 60

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gaccactgaa tcactgatga cctgatcaga gcaggttagg aggggaaaga taaaattata 180

ggggcctctc gatactcctg cctgcaagta ggtgctcagc cttgatggcg atgcccggat 240

cctgcccgtc aacaacggcg gctccatctg ccggccaccc tcccatctgc cttgccgacg 300

cttcagctgg gggagctgga tcccaagaca tgctacgacc acgcctggtg ctcttcggcg 360

actccatcac tgagca 376

<210> 8376
<211> 240
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189040a10b1

<400> 8376

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gcagcccagt cccagatccg aatcccgaga cgcgtctagc cattgccgcc gtccccgacc 120

ttctccccgg cagggaatgg tgcactgcgg gcggcggtag gcagacacga gcagagaccg 180

tgtggcaaga agcggcggct gcgagatggc cggcgcggag agggagagga gaaagatgcc 240

<210> 8377
<211> 459
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189040a11b1

<400> 8377

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gtggccaggg ttgcgctcca gagccccgat gtcgagctcg tcgccgttaa cgaccccttc 180

atcaccaccg actacatgac ctacatgttc aagtatgaca ctgtccacgg acagtggaag 240

caccatgaag ttaaggtgaa ggactccaag acccttctct tcggtgagaa ggaggttgcg 300

gtgtttggct gcaggaaccc agaggagatc ccatgggctg ctgctggtgc tgagtacgtt 360

gttgagtcca ccggtgtttt cactgacaag gacaaggctg cagctcacat taagggtggt 420

gccaagaagg tcatcatttt tgctcccagc aaggatgct 459

<210> 8378
<211> 377
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189040a12b1

<400> 8378

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ggagatggat cagctgatcc acgacgccgt cgctgctcac gaccacatgg ggatcggccc 180

cgtgctccgg cagtgccgtg agctcttcga ggggcttgag tctctcactg actgcggcgg 240

cggtgatggg acgacggcca ggtccatcgt cgaggcctac ccgcacatca agtgcactgt 300

gctggacctt ccaaaggtca tggacaaagt tcttcttccc gctgaagaag gagcggttaa 360

gtatgtttct ggtgacc 377

<210> 8379
<211> 413
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189040b04b1

<400> 8379

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acctcggcac cacctactcg tgcgtcggcg tgtggcagca cgaccgcgtc gagatcatcg 180

ccaacgacca gtgcaaccgc accacgccct cgtacgtcgc cttcaccgac tcggagcgtc 240

tcatcggcga tgccgccaag aaccaggtcg ccatgaaccc catcaacacc gtcttcgatg 300

cgaagcgtct tatcggcaga aggtttgctg atgcccctgt ccagagtgac attaagatgt 360

ggccgtacaa ggttattcct ggccctgcag acaagcctat gattgtagtg cag 413

<210> 8380
<211> 306
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189040b05b1

<400> 8380

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atgtcgcagt tcgacaccgt cagcaacccg ctccgcacgc aggccggcag cacctccccc 180

gcccagtacc cgctcaacgt caccgccgag ggccagcagg tcaacatcac caccggcgtc 240

gtcaacgcca ccgtcgacaa cacgctctac accggcgacc agctcgtcgt ctaccaggtc 300

aacaag 306

<210> 8381
<211> 392
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189040b06b1

<400> 8381

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ctctgggtgg tccggccggg ccttgtagcc tcggacgggc tgacgcggct gccggacggg 180

ttcgaggcgg cgacgagcgg gcgcgggatg gtggtggagt gggcgccgca tgaggaggtg 240

ctccggcacg cggccgtggc cgggttctgg acgcacggcg ggtggaactc gacgacggag 300

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gccaggtacg tcgagcacgt gtggagggtg gg 392

<210> 8382
<211> 85
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189040b10b1

<400> 8382

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ccgttcagtc tcgcatgagg gctgc 85

<210> 8383
<211> 320
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189040b12b1

<400> 8383

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ttccttcctt ctccttgccg ctcttcttgc cttggtctca tggcaggcca ttgcctccga 120

ccctggcccg ctccaggact tttgtgtcgc cgacatgcat tcaccagtgc gtgtcaatgg 180

atttgattgc aagaacccga tggaggtcaa tgctgatgac ttcttcaagg cagccgccct 240

cgacaagcct agggtgacca acaaggttgg ctccaacgtc accttgatca atgtcatgca 300

gattgccgga ctcaacaccc 320

<210> 8384
<211> 391
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189040c04b1

<400> 8384

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atcgacctcc tgaacccgcc ggcggagctc gagaagctca agcacaagaa gaagcgcctc 180

gtccagtccc ccaactcctt cttcatggac gttaagtgcc agggctgctt caacatcact 240

actgtgttca gccactccca gactgtcttg gtgtgcccag gctgccaaac agtgctctgc 300

cagccaacgg gtggcaaggc caggctaacc gagggttgct ccttccgccg caagggcgac 360

taaacctccg aagtctatct gaaaaagcaa g 391

<210> 8385
<211> 351
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189040c05b1

<400> 8385

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ttacttcggt agaacgtcag aaaaattata gctggggtta ggatacctct cgagaagcag 120

tatatgcctc gctagcacac aagaacagtc aggaccatgt acgaatcgga cgaacagttg 180

gggctatgtc acaccaccaa tcgaacagtt ccgcgccggg acctgtgtct cgctcgcagc 240

cgcgccggca cccgtggatc gctggaagcc tcgccggcac ccgtgtctca ctggcagccg 300

cgccggcacc gggggcaaag tttgaagaaa caggcctcac acacctgatc c 351

<210> 8386
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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189040c06b1

<400> 8386

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cgcggcggta tcgtcccccg catcgtcggt gtcggcacag cggacccagc cgtcggcagc 180

cgaggtggcg cggacggtgg ttgagctcgc gccttccggg acgctgtccg tcgtgggcgc 240

cgacagttgg gcgctcggtg tcggcgctcg ttttgtcgcc gacgccgctg gcgcgcccgc 300

gctctgccta gccacagcgg gagtgaccgt gcctgatgcg cgggcaagtt ttcacgttga 360

gtttcggcaa agtggagcca ggaca 385

<210> 8387
<211> 396
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189040c10b1

<400> 8387

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ctcgcagcta cctcggtggc ctttggagcg cacgagatgg cggaagaagc cccatcacca 120

gttgttgtcc cagctgaggc acctaccccc ggttcttggg gaagccaagg aactgtgtga 180

ctgctctaca gcttgtcatg aagaagtcaa gcgctcatga tggccttgtg aaggggctcc 240

gtgaggctgc caagtccatt gagaagcatg ctgctcagct ttgtgtgctg gctgaggatt 300

gcgaccagcc tgattacgtg aagctcgtta aggcactatg cgctgagcac aatgttcacc 360

tggttactgt gccaagtgct aaaactctcg gagagt 396

<210> 8388
<211> 166
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189040c11b1

<400> 8388

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aaactattta ttctgggcca atgtgtagga tgcttgtagg cgatgtctat gcagaatatc 120

accgattggg catgccacca agcaccggtg ctccatgagc aaaagc 166

<210> 8389
<211> 285
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189040d04b1

<400> 8389

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gggcgtgtac ccgacggcgg tgctttacat ggcgctcaag ctcgtcaccg ggaaggggat 120

atacttcagg ctcacgtcca agcagacgga cgcctgctcc aatgacaagt tcgccgacct 180

gtacaccgtg cggtgggtgc cgctgctgct cccgaccatc gtggtgctcg tcgtgaacgt 240

cgcggccgtc ggggcagcga taggcaaggc ggcggcatgg gggtt 285

<210> 8390
<211> 187
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189040d05b1

<400> 8390

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ggggtgctgc ttcccggaca ccggcaagcc ggcgacggac ttcggcatcc acgggctatg 180

gcccaac 187

<210> 8391
<211> 353
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189040d06b1

<400> 8391

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cttcctctgc aactacggct acggcgcgtc ccagatcaag ctcatcacct cccctccggc 120

cgccttcagc tgcgccggca acgcgagcaa ggatctcatc tccgacctca actacccgtc 180

gatcgccgtc acggggctcg gcgccggcgc cagcaggaca gtgacccgtg aggtcaccaa 240

cgtcggagcg caggaagacg ccacctatac cgtcgccgtc agcgcgccgg ccggtctgga 300

tgtgaaggtc gtgcccagca agctccagtt caccagcagc gtgaagaagc tgg 353

<210> 8392
<211> 325
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189040d11b1

<400> 8392

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agcgagcttc tggccgctcc ccaccgcctg tggtctcccg gcgccggctg gatctgagga 180

gctgcggtgt ttgcttgctt cttccttcaa ggtttcttgc aaatttgggt gaccttgaaa 240

gcttgtgaag aaggggttgt tggccaagta aaagatcctg gagctggctt agagtgttgt 300

ccataaaaaa aaatcatggg tgctc 325

<210> 8393
<211> 322
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189040e04b1

<400> 8393

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caactatggt aagacattca agaaaccaag gcgtccttat gagaaggagc gtcttgatgc 120

agaactaaag ctggtcggtg aatatggact gaggtgcaag cgtgagctct ggagggttca 180

gtatgcactg agcaggattc gtaatgctgc aagacacttg ctcacactgg atgagaaaaa 240

tccccgccgt atctttgagg gcgcggccct tctccgtcgc atgaaccgct atggtctcct 300

tgctgagggc caggataagc tt 322

<210> 8394
<211> 380
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189040e06b1

<400> 8394

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tgtatggtag ccatagtata ggaatcttaa aactactgtt ggctggctca cacatgacat 120

ttttaatttt tagtagacat gcctttgata agatgcattg ttcagttcta attaagtaat 180

tatggacctt ttgaattacg ggccaagccc cgtggtgtgc taaatgttgt tatctaccta 240

agcacctgga cttttgtatg cagagggtta tcagctatta aacagcatat gacaatcctg 300

ttctggccat ctgatgtttg tatgtttgag ttgttcgtgt tcgttgtagt gcatgaggcg 360

ggatttattg tgatggctct 380

<210> 8395
<211> 51
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189040e08b1

<400> 8395

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<210> 8396
<211> 244
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189040e10b1

<400> 8396

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agtatggtcg gtatctttta accagaaagg agataggatg gtcacatgca gtgatgactg 120

tactttgaag atttgggata cgagtgctga tttgtctgag ccaacaactg gagaaggtca 180

tgaatcttgg tttcatcttt ctactttatc tggacatcat ggtcgaacta ttttttcagc 240

ccat 244

<210> 8397
<211> 265
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189040f04b1

<400> 8397

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atacaaccta tgagtacaac ggatgcctaa tacccagtat ccaccatgct accacgagat 120

tagcagcaag aacaacatgt ttatttttgta tacgacacaa taaatagaag gaaataaaat 180

atattgttca cattgatatg taacactaac tttacacctg aacgccttcg ttccgacttt 240

acaagactac aacaggagct atggc 265

<210> 8398
<211> 350
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189040f05b1

<400> 8398

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tgagatcggt agtggatttg caggtactga cctaactgga agtgagcata acgatgagtt 180

ctatatggat gaggctggaa atgtgagaac acgaaccaat cgctcggcgg tgtacaggga 240

gggatatcaa atggtgaaac tatatacttc aaagtagctt tcaagccaac agcaactatt 300

gggaagaagc aaaatactgt aacaagggat catgaggata tcgaacttct 350

<210> 8399
<211> 328
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189040f06b1

<400> 8399

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acaagaggtt attgaagaaa tcaacaaaag accacagata acaaagatat cttttgttgc 120

gcattccgtt ggaggattgg ttgcaagata tgccatcgga agactttata gacctcctgg 180

acaatcactt gaaaattctc ctcaaagttt gagagacagc aacagaggca atatacatgg 240

gcttgatgca gtcaacttca taactgttgc atcaccacat cttggttcta gaggaaacaa 300

gcaggttcct ttccttttg gagttact 328

<210> 8400
<211> 99
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189040f10b1

<400> 8400

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acctgattcg gccctgaacc tttttggatg tgtaatact 99

<210> 8401
<211> 218
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189040g05b1

<400> 8401

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ggagagggtg gaggagcggt gaacggcggc ggcggaggaa gtgggaatgg ccagggcact 180

gctcatagtg gaggtggagg aacccatgca agtgctgg 218

<210> 8402
<211> 363
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189040g06b1

<400> 8402

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agacaggaag ttcccgagaa atccaaggat tctcctggtg gaccatggca attcattggt 120

ctgttgcccc tgtttgatcc cccaaggcat gacagtgctg atgaccatcc gcaaggcact 180

tgttcttggt gtcaacgtca agatgatcac aggtgaccaa cttgctattg gaaaggagac 240

tggtaggagg cttgggatgg gcacaaacat gtatccttct tctgcattgc ttggccaaag 300

caaggatggt tcacttgagt cacttcctgt tgatgagctg attgagaagg ctgatggatt 360

tgc 363

<210> 8403
<211> 205
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189040h06b1

<400> 8403

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ggtaacacca tttcttacaa acgccataga agcttctata gtgacataaa ttttacagac 120

gcctaagaca cattcacgtg ctgttagttc tgagttggtc atttggacga tatctcgatt 180

ctggacttgg cctaccttgt ttttt 205

<210> 8404
<211> 322
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045a01b1

<400> 8404

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acagcaattg aggaagctgg tggcccaaag attccaatga aatatggacg ggttgatgtc 120

acaggacctg agcagtgtcc acctgaaggg aagcttcctg atgctggccc gagtgctcct 180

gctgaccact tgaggctggt attctacaga atgggccttg atgacaagga aatcgttgct 240

ttgtctgggg cacatacact tggaaggtct aggcctgaac ggagtggctg ggggaaacct 300

gaaacaaaat atactaaaaa tg 322

<210> 8405
<211> 370
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045a02b1

<400> 8405

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cagtatgctg gaaaatttga ctagtccaac acataaggag gagcttgaag agcgcatgtc 120

tcggattaag gaagatccag ccttgaagcc aattcttgat gagttagaga atggtggtcc 180

tgctgcaatg ataaagtact ggaatgaccc tgaaactctt caaaagattg gccaggcaat 240

gggaactacc atgccgttta gcactgtctc tactgctgaa ccttctggta ctgaagaaac 300

tgaagaagaa ggtgaagatg aagacgaatc cattgtccac cacactgcca gtgttggtga 360

cggtgagggt 370

<210> 8406
<211> 406
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045a03b1

<400> 8406

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atgcgcgcgc gcgggagctg gggatcgacc tcgactccgt cgacgtcgac tccatcaccc 180

tcccgcccgg cgaggacttc gacatcctca gtgatgatga ggatttactt cagaatgaag 240

acattccaga gctggagatg ggcttttcaa acattattgt ggtggacaat ctgcccgttg 300

ttcccccaga aaagtatgag aagctggaga acgtcgtacg caagatatac agtcaaattg 360

gtgtcatcaa agaaggtggg ctttggatgc ctacacaccc agagac 406

<210> 8407
<211> 349
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045a07b1

<400> 8407

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tctgcaatat tggaggcatc agcacgcaga agccaaaggc cccaagctgg aggacttcct 120

gagcgtcggc tacggcaacg acaggagcag cggcagcgtc tacgacgcca gccacgccga 180

ccagctcaag taccaccacc accaggacgt ccatcacgcc tatccaggct cgccctactt 240

ccagggcaat ggctggcggt ggcgccgtca tcgggctgga catcaacaac gcgccgtcgt 300

cgtcacactg caccggcctt ccggaccacc actacatgcc ggcgcacca 349

<210> 8408
<211> 413
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045a08b1

<400> 8408

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aaggggggtca acttcctggc aaaaaagtca gcgcatacat agctcggttg agaaactcca 120

aacctggtgt tcctctgata tccccaccac cacaccatga catctattct attgaggatc 180

tggcgcagct aatttttgac ctacatcaga tcaatcctaa agcgaaggtg tcggtaaagc 240

ttgtagctga agcaggaatt ggaactgtag cctctggagt atctaaggca aatgcagacg 300

taattcagat atcaggtcat gatggtggta ctggagctag cccaattagc tcaatcaagc 360

atgctggggg tcctagggaa cttggtctta cggaaacaca ccagacactc ata 413

<210> 8409
<211> 231
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045a09b1

<400> 8409

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ccgaagaagg ggtccctcgg caccatcgcg cccatcgcga tcggcttcat cgtcggcgcc 180

aacatcctcg ccgccggccc cttcagcggc ggctccatga accctgcccg c 231

<210> 8410
<211> 244
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045a10b1

<400> 8410

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ttcactgccg ctgcctcgac gaccaagcaa agccaggtct atatagtgta tctgggcgag 180

cacgccggag ccaagtcgaa gggaaccatc cttgatgatc accatgccct cctctccgtc 240

aagg 244

<210> 8411
<211> 198
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045a11b1

<400> 8411

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aacaacccgc tggagacc 198

<210> 8412
<211> 344
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045b01b1

<400> 8412

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cttccttcgc cgaaatccta ctcgagaccc aacccctccc cccatccgcc gtctccccac 120

cctccccgct cgttcccctt gcttctccgg gagggaagga acccgcgagg ccggcctccc 180

accctccgca aaagccacgc gccaccaacc caacccctcc gtcccgcccc gccccgcgcg 240

tcgctttcgc ctttctccgc gcaaccgaaa gagaccgacc gcgaggccca taaagaggga 300

ggcgccgagg ccggcggcta tgggcggcgg cagcagatcg cgcg 344

<210> 8413
<211> 389
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045b02b1

<400> 8413

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ctgctccgca tgctcgagga ggggaagggg gctggtggtg accatgatca ccctgcacct 180

ccagtcaagg aagagatcat gggcagcggc gcggccgagg tgctggggcc tggcgtggat 240

ctgaatatcg gcttgccggt tggtggatct tgcgatgatg acatcatgga ggaggagagc 300

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gaacctaacc atggcggttg caaggtgga 389

<210> 8414
<211> 322
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045b03b1

<400> 8414

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gccctactac gcgtacccgg ccccgcagca gccgtactac gcgcccccgc ctcccctcc 180

gcccgccccg cgccggagcg gccccggctg cctcctctgc ttcgtcttca aggtcatcgc 240

cctagtcatc atcgcgctgg gcgccgccac cctcgtgctc tggctcatcc tgcgcccggg 300

cgccgtcagg gccaccgtcg tc 322

<210> 8415
<211> 340
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045b04b1

<400> 8415

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tactgcgttg gcgggaacca ggaagagcag aggcagactt tggcaggtat gacgtcaagc 180

gagtcgtgca caccatctac attctcttct ctagaagcga aatcccgaca gcgaaggaag 240

atcaagaaat cacggatctc gcggacctgt cgactcccct tccagagtgg ttcaccgagg 300

aggatcttgc agtctacacg tccctctatg agaaatcagg 340

<210> 8416
<211> 363
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045b05b1

<400> 8416

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cagcgaccat gaagggcacc aagctcgcgg cgatcctcat cctccaggcc gtcctggtca 120

tgggagtcct ctcacacgtg aacgccgact atttccccaa gtgctgcaac aactgcaggt 180

ccttctccgg ggtcgacgtc tgcgacgacg cccaccccaa gtgccccaag ggctgctcgg 240

cgtgccgcgt ggtgtcgacg agccccgaaa tgtggcgctg cgcggatatg aaatccaccg 300

tcgacggcac ctgcggtggg ccctgcaaga agtactgatc ggctcatgcc agcatgatat 360

gtt 363

<210> 8417
<211> 230
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045b06b1

<400> 8417

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aggcgtgggt ggacgtgctg ccgccgccgg cgccctactt cgccgggcag ccgtgctggg 120

ccgtacagca agagcgtcgt ggaggcggcg cctggacact ggaggagaac aaggtgttcg 180

aggaggcgct cgcggcgatc gacctggacg cgccggaccg gtgggagatg 230

<210> 8418
<211> 361
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045b07b1

<400> 8418

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acggtctggc caagatgctc gtctccgacg aggcccggaa ggagttcgcc aacctccgtc 180

gcaccttcga ggacgtcaac caccagctcc agaccaagtt ctcccaggaa ccaaagccaa 240

ttgactggga atactacaaa aagggaatcg gatcgaaagt tgtggatatg tacaaggagg 300

cttatgatag cattgagatc ccaaagtatg ttgacactgt cacttctgag tacaagccaa 360

a 361

<210> 8419
<211> 366
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045b08b1

<400> 8419

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aaccttcacc tatgagacct tgctcatcgc cactggctcc tcgaccataa agctcactga 180

ctttggcgtt caaggagcgg aatcaaacaa catattgtat ctaagggaaa ttgatgacgc 240

cgacaagttg gtcgcagcta tgcaagcaaa gaaggatggg aaggccgtcg ttgtctgagg 300

tggctacata ggacttgagc tcagcgcagc actgaaaatc aacaatttcg atgtcactat 360

ggtgta 366

<210> 8420
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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045b09b1

<400> 8420

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agacgggcag ctgggcatgg gccggtgcga cgagaaggac tgggcccgct gcatcggcgc 180

tctggatgcg tacgctcgct tcgtcgacgt agccggcagc cgcaactccc tcgccatatg 240

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ggagaccaag acagagagct ccccggcgca tgtcga 336

<210> 8421
<211> 274
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045b10b1

<400> 8421

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gtttggcctc aaggtgtgct gagtactaca agcaaggtgc acgcttcgca aagtggcgga 180

ctgttgttag catcccttgt ggtcctactg cattagctgt caaggaagcg gcatggggac 240

ttgctcgcta tgctgctatt gctcaggaca atgg 274

<210> 8422
<211> 264
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045b12b1

<400> 8422

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cgaagtatct ctagctgatc ttcagaacga tgaggaccag gcctacagga agatcagact 120

ccgtgctgag gatgtgcaag ggatgaatgt cctcacaaac ttctggggca tggacttcac 180

cactgacaag ctcaggtctc ttgtgaggaa gtggcagaca ctcattgagg ctcatgtgga 240

tgtgaagacc actgacaact acat 264

<210> 8423
<211> 335
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045c01b1

<400> 8423

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tagcgcgaca catcgagagc agatacggaa agcttgacat cttggtcaac aatgcagcgg 120

ttgttggagt tgcagcagac gaggaaggcc tcaaagctct gaaccttgat gcagagacat 180

ggacatctgg cagagcagcc actctgctca aagacgtgtt ccagaatacc tatgaggtgg 240

cacgggactg tctcgacacc aattactatg gatccaaacg ggtaacagaa gccctccttt 300

ctctactgaa actatccacg tcgggagcaa ggatc 335

<210> 8424
<211> 379
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045c02b1

<400> 8424

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accaccgcag ctagataaga gaaaaaaaga gagagaagaa ctcgtcggga gggctcgaga 120

tctgtgttcg gagaggggaa ttcttgaggt cggaatcgga acaagcgggc gcgctcggga 180

tcggggttac catacaattt ttcccaggaa cctttagtga atgtgctaat ggagtcaaag 240

ggtggcaaaa agtctagcag tagtagttcc ctgatgtacg aagctcccct cggctacagc 300

attgaagacg ttcgacctgc tggaggcgcc aagaagttct ctgctgcata ctcgaactgc 360

gcgaagaagc catcctgat 379

<210> 8425
<211> 292
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045c03b1

<400> 8425

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cccttctttc tgggagggag ggaggctgtc agccggccgg ccatggacac tgcggaggcg 120

gcgtgggggg tggcgagcct gcggctaggc tctcgccggc taggctctcg ctcctcgtac 180

cgggagcgcg gggccgacgt cttctcccgg gcgttctccg cggccggggc gggctccgag 240

gacgatgagg aggcgctcat gtgggcggcg ctcgagaggc tgccaacgca ca 292

<210> 8426
<211> 134
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045c04b1

<400> 8426

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ggaaacttga gagagttgca aggagggaca accagggagg aggtagtctt ggaggttgat 120

ttgggggaa tttg 134

<210> 8427
<211> 186
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045c05b1

<400> 8427

actgccacgc gtccgggccg attccctctt tctggcactg agcggtgggc tcatctttgg 60

gacgggcatg ggattcgtgc tgtggactac cacggtctgc accaggttac tagcagagct 120

tgcttccagc ggcgatgagc ataggggact cattgcctac gcgtgctggc tcgtctacat 180

gctctt 186

<210> 8428
<211> 319
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045c06b1

<400> 8428

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tacaggaaag attagcttta aaagagaccg gggtggaact gggccgtgcc atcctgtttt 120

tcgggtgcag aaaccgccag atggacttca tatatgagga tgagctgaac aactttgccg 180

aatccggagc cctgtctgag ttggtcgacg ccttttctcg tgagggtcct acaaaggagt 240

acgtccaaca taaaatggca gagaaggtaa cctgattgat aactcaccga ttatccatgt 300

actgtcgttg attatatag 319

<210> 8429
<211> 278
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045c07b1

<400> 8429

tatcgctctc tcgactccgg ccagtctctt cttctctaga aagctagcga ggcttggagg 60

tgagcgaaaa tgccggtcag caggatcgcc gcggggagcc accgtgaggt gtacgaggtc 120

ggcgccctca aggcggcgct cgccgagttc atctccacgc tcatcttcgt cttcgccggc 180

cagggctccg gcatggcctt cagcaagctg agccccgacg gcgcggtgac ccccgccggt 240

ctgatctcgg cggcgatagc gcacgccttc gccctgtt 278

<210> 8430
<211> 180
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045c08b1

<400> 8430

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aggcggagcc gatgaccccg gcggtggtgg cggccgaggg gtcccagggg cgtcgttcag 120

aggaagagca ccctgcgcca gttcagcggt cgtggtgtta cggaggaggc ggagagaaag 180

<210> 8431
<211> 119
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045c09b1

<400> 8431

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gaggggcggg gctggagacg gggaggaaga ggggcggcga gggtggaggc ggaggagga 119

<210> 8432
<211> 347
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045c10b1

<400> 8432

tcgtcgatgg cgatggcgtc catccgcctc cttccgctcg ctctgctgct cctcctgctc 60

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gcggcggccg ggcaggagga cgatgactcc gtcgggacca agtgggccgt cctcgtcgcc 180

ggctccaagg gctaccagaa ctaccgccac caggcagata tctgccacgc ctaccagatc 240

ttgaagaagg gtggtctcaa ggatgagaac atcattgtct tcatgtatga cgacattgcg 300

cataacccgg agaacccgag gccgggcgtc atcatcaacc accccca 347

<210> 8433
<211> 443

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045c11b1

<400> 8433

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tcgccgccgt caccaccgca gctagataag agaaaaaaag agagagaaga actcgtcggg 120

agggctcgag atctgtgttc ggagagggga attcttgagg tcggaatcgg aacaagcggg 180

cgcgctcggg atcggggtta ccatacaatt tttcccagga acctttagtg aatgtgctaa 240

tggagtcaaa gggtggcaaa aagtctagca gtagtagttc cctgatgtac gaagctcccc 300

tcggctacag cattgaagac gttcgacctg ctggaggcgc aagaagttct ctgctgcata 360

ctcgaactgc gcgaagaagc catccctgat atcgttttgg catccccttc ccgtagttta 420

ggatttttat gcaattttat tct 443

<210> 8434
<211> 347
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045c12b1

<400> 8434

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cggacggtgc ccatggccat ggcatcgccg tcgtggtcat cttgctgcgc ctccacctcc 120

acccgtcctc tgcctagccc ccccgcgagc agcaagagca ggaacccatg gcgggcaagc 180

agcggcagga ggagcgccag cggagggaag agacggcagc agctgtccat ccgcgcggtg 240

gccgcaccgt cgtcggcggt ggactactcg gacaccgccg ccggcgccgg cgacgtcccc 300

tcgctgaaaa tcaagctgct gagcgcggtc gccgggctga accgggg 347

<210> 8435
<211> 315
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045d01b1

<400> 8435

atcgtctcca cgcgtccgcc cacgcgtccg cccacgcgtt cgcccacgcg tccgggaaac 60

tggccatccg atatatggtt tctgtttgcc gatcaaatga tgtacgtgtt cccttcggct 120

cacaagatga tgctggcctg tctccaagca tcacagaaag gtaattgtgt tggtaagctg 180

atgatgcgca tgtgagcaca tgcgtattgt actacttgat gtaccagtac attggtaggc 240

taggacggtc tttgccatgt cgggtgcgct cgccttggca ggccacgaga caataaaaag 300

tatatttggt ggtgt 315

<210> 8436
<211> 296
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045d02b1

<400> 8436

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ggatgggccc cgaggcggca acgctgtggc tggtctctga acggcacacg ccgggagtcc 180

ccccttgtt gaatgagagg agcgacgaac tggaaactgt ggctcggatt ggagctgttg 240

gaatggaggt gtgtgaagcg ctcatgggat tgcacggcga ggggatggtg ctgggt 296

<210> 8437
<211> 384
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045d03b1

<400> 8437

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atgccagccg caggtcctgg cgcgagcaac tctcccccgg cgccaccctc ctccgccgct 120

acctccgtcg gtgccacagc aggatttggc ctcgtcgccc tactggcggc tggtctcatg 180

gcttgaacgc atatattgat cagctgccac gcgcacatat gagcttatat attgttaact 240

actgctgtag tcattatcac gggtgaatac atgtattctt ttttagagtg agaatgtgat 300

agttacttgt atctatcacg tctatatgta atctgcagac cttcatgtct tttatataat 360

cattctagag cattatttta tact 384

<210> 8438
<211> 355
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045d04b1

<400> 8438

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ggtcgccgcc ctcctcgccc tcctcgccgt cgccgccgcc gcgcagggcc ccatgctggc 180

gcccaggacg gcccctcttc cagcgccacc ggcgaggtcc ccagccatcg cccctgcgcc 240

ggtcgccacc ccgcccaccg ccgtgtcgtc gtccccgatg gcatctaccc ctgccccgac 300

caccgacgct ccctccgcga tgacgccgtc cgcggtctct gccacacccg ctgga 355

<210> 8439
<211> 378
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045d05b1

<400> 8439

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gccggccatc ggcatcgacc tcggcaccac ctactcgtgc gtcggcgtgt ggcagcacga 180

ccgggtcgag atcatcgcca acgaccaggg caaccgcacc acgccctcgt acgtcgcctt 240

caccgactcg gagcgcctca tcggcgatgc cgccaagaac caggtcgcca tgaaccccat 300

caacaccgtc ttcgatgcga agcgtcttat cggcagaagg tttgctgatg cctctgtcca 360

gagtgatatt aagatgtg 378

<210> 8440
<211> 183
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045d08b1

<400> 8440

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ggagataatg agagaaagaa atctgcatct gccaagtacc cgagtgattc acagcagcat 180

tct 183

<210> 8441
<211> 328
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045d10b1

<400> 8441

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accttcgagg agggcgagcg cgagagcgag tacggctacg tccgcaaggt ctctggaccc 180

gtggtcgtgg ccgatggcat gggcggtgcc gccatgtacg agctcgtccg tgtcggccac 240

gacagcctca tcggggaaat catccgtctc gagggcgatt cagctacaat ccaagtttac 300

gaggaaacag ctgggctaac ggtcaacg 328

<210> 8442
<211> 318
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045d11b1

<400> 8442

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acgccgggag tgccttggag aggggagccc gctgcccaga gggagagcgc gttgttgagg 180

ggaggaattc ggggaaccac atctcactac tggatgtgga cgacctcaaa cgaagatggc 240

ttgccattac agagaaagct gggaagggag caagtggtgc ttcggcgacc gcaaaaagct 300

gtagttggta agatggat 318

<210> 8443
<211> 358
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045d12b1

<400> 8443

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agcttcgtcg tcgcggtcgc caggcagacg caggcgcggg aagagaggcg gagatgagac 120

ggccgctcgg cgcatgcggc agcagatcca gcccggccgc tgctttcctc ctggccgtcg 180

ccgcgatctg cgcccagttc gccacaggac tagctgatga tgcatctaaa gatgagtcaa 240

aaggtcacac tggccaaaca gttttgtttg tcctgctagg aattggtgca gccggtctgt 300

tgtcattctt ccttttcaag tattggcaga agaagaaaag agaggagcaa catgcacg 358

<210> 8444
<211> 320
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045e01b1

<400> 8444

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ccccgtcgca tccctgcctc ggcgccctcc tcccctctcg ccgccgcaag gccattggcg 180

gcgttgatgg ggtcgccggc gctggttgcc gcaaggctga cggggcactg cgcgtcgagc 240

gcgcgggcgt gctgtgagct ctcccagggt acttaaagga cgagttgctg cccttcgcaa 300

ggatacaaca gttcttttgg 320

<210> 8445
<211> 317
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045e02b1

<400> 8445

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taccgctgct tcgtgggcgg cctcgtctgg gccaccgacg accacaacct ccagcaggcc 180

ttcagccagt acggcgagat cctcgacgcc aagatcatca acgaccgcga gacgggcagg 240

tcccgtggct tcggcttcgt cacgttcggc agcgaggagt cgatgcgcca ggccatcgag 300

gagatgaacg gcaagga 317

<210> 8446
<211> 224
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045e03b1

<400> 8446

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tacctaccca ccccctcgag gccggagcgg aggagatgga gtcgccggag ccggtgagcc 120

cgtcgtcgtc gtcgtcgtcg tcgggggacc gggagcagca gcagcgccac ggggcggcgg 180

agcggccgtc ggagacggcg gcgctgcggg cgctggtgga gcgg 224

<210> 8447
<211> 369
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045e06b1

<400> 8447

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ctctgatgat aaagaagcca acattcttgg accagctagt caagctgcaa gtgtcatcgg 120

aaaatctggt tctgtcatca agaggctgcg ctcagtttca aaatcattca ttaaaggtaa 180

accaaaagat ccaagtgacg ttacacactc atgtgctatg agttttgata atttcgctca 240

gataactggg gacactagag ctgtcaagaa ggcattgata gcaggatcaa caattctcta 300

caaatgggca tcgaaagaga acatttctct tgaaacatct attgatgaac atactccaac 360

cattatact 369

<210> 8448
<211> 280
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045e08b1

<400> 8448

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aacgtcttct gtccgtagct ccttggtgcc tagctgctgt gttcacatca catctccatc 120

gatgaagacg aagcaggctt ccaaggccaa ggcggcgccg tcgccgggga aggaggagga 180

agcagttgca ccgggtggtt tccgcatggg gccatggacg gcgcaggagg acatgaagct 240

ggcgtggttc gtgcggctct tcggcgagcg ccgctgggat 280

<210> 8449
<211> 290
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045e09b1

<400> 8449

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cccgcccatc catccttgaa acatcaagtt gaccctctgg ctgggccaca gcggttgcag 120

agacaacaag tctcctccac aaaaggggtg agatgtcctc gctgaggccg ctcaacacgg 180

aaccaagttt tctccactcc ccgaagctgc agagcccgag ggatgcctgc gccgcgccgc 240

tgaggtcgcc gtcgccgagg gtcgtcgtcg gcccgccaaa gaagaggatg 290

<210> 8450
<211> 308
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045e10b1

<400> 8450

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ctcccaggtg agatcgagcg cgagtagcca gccgatgagc cgtctagttt cccggtggca 120

cctcgacgac gacgcggtcc tccgacgatc ccccgccggg ttcgctttca ggtggctgca 180

cacgccggca tttgcgacgg tgtccccccgt ggagatctca ggttcaagcc cggcggaagt 240

gcagaatttt gtgcagggaa aatggataaa gtctgctaac tggaactgga tagtcgatcc 300

tttaaatg 308

<210> 8451
<211> 400
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045e11b1

<400> 8451

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cttgcatatg gtgaggatgg ctcccctcca gtcatccctc caaatgcaac gctgcagttt 120

gatgttgagc ttctctcatg ggcaagtgtc aaggacattt gcaaagatgg cagcatcttt 180

aagaagatac tagctgaagg cgagaagtgg gagaatccca aagactgtga tgaagttttt 240

gttaaatatg aggcaaggct tgaggatggg actcttatta caaaatctga tggtattgag 300

ttcactgtca aagaagggca tttctgccct gctatatcga aggctgtcaa gacaatgaag 360

aagaatgaga aggccctcct tactgtcaaa ccacaatatg 400

<210> 8452
<211> 348
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045e12b1

<400> 8452

tgtttcgagt gagcatgtgc tagatgaggt tgagaggtcc ttgcacgacg ccctatgtgt 60

gctttctcag acaggaaatg acacgcgtgt catatttggc gggggatggc ctgagatggt 120

gatgtccaaa gaggtggatg aacttgctcg gtggacccct gggaagaaat ctcatgctat 180

tgatgctttt tcgcgtgccc tgcaagccat tccaacaatc atagctgaca gtgctggtct 240

ggatagtgcc gagctgatct cccagctccg agccgagcac cacagggaga acagcactgt 300

tggaatcgac gtcatcagcg gcgggctggg agacatgcag aagcgtgg 348

<210> 8453
<211> 328
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045f01b1

<400> 8453

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tctccaccac aggcaaagag aagacgaggc cgaaccccaa caccaggaag gtatctgggc 120

accaaatcat cgcgtggaag gaggtattcc cgaagcaggt cacctgttag gagagaccgt 180

tacagctcac gctactcgcc tgagcgagaa cgctcttatt ctccttatcg cagaggacga 240

tcatactctc gtcgtgacag gcgtagatca tactcccctg atgaaaggag gcgatactac 300

tctccctatg gcagaaggag atcatact 328

<210> 8454
<211> 275
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045f02b1

<400> 8454

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cggcgaccag ctccgcctcc agacggccac cttctccggc ctctccctcg gcgactccat 180

ctggtccccc gtcgacgccg tccctcgcgc ccgcaacgcc gaccccggcc tcttctcccc 240

ctgccaggcg gtccacaaca acgccggaac cggat 275

<210> 8455
<211> 369
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045f03b1

<400> 8455

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ttgaatttga tggtagccat cgactacaca gcttcaaatg gaaaccctcg gcttccagat 120

tccttgcatt atattgaccc ctccggacgg tcaaatgcgt atcaaagagt aatactggag 180

attggagata tactacagta ctatgaccca gctaagcgta tcccctcttg gggctatggg 240

gcaagaccta ttgacggtcc tgtttcacac tgtttcaact taaatggcag cacttatcag 300

cctgaggttg agggaataca gggaattatg tcagcttata tcagtgcgct acgcaatgtg 360

tcattggct 369

<210> 8456
<211> 360
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045f04b1

<400> 8456

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cgaaatcgag aggcagagcc gccggagatc cacgggggcc gtggagggag ccgaaccccg 120

acgtccggcg ccatgaacgc gaggggctac cgaagcacca gaactgctct ctttgatggc 180

attgaagaag gtggaatccg agcatcagct tattcttcac atgagataga tgaacatgag 240

aatgagcgag ctatggatgg attgcaagat cgagtcagca ttctcaagag gatatcaggt 300

gatataaatg aagaggtgga ggctcataac cggatgctgg acagaatggg taatgacatg 360

<210> 8457
<211> 148
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045f05b1

<400> 8457

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ccaaggctgc ggccaagaag aaatgagatg gtgtcaggtt ctttactgca tctatggtgg 120

cggtggcggt atttggtggt ggtgatag 148

<210> 8458
<211> 241
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045f06b1

<400> 8458

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gattgcctct ctagacatgc tgtgatggca tacagacact ctctcaattg atcattctcc 120

cctcggagga tgtcaaattc tttgtgtgtg tttcggagtg ctggggaagg ggcagaggct 180

ggggcagggg agacacgttc tttctcaatg ccttgatgca tgagggtggt gtacatggtc 240

a 241

<210> 8459
<211> 275
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045f07b1

<400> 8459

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tcgctggaaa gaaagccttc aacatggtgg ccaggaccag agaccagaca gggaaggagg 120

tgctgtgtgc tctacctgta ctgtaaaaga ttcatcccat ggccgcggag tctgcctggt 180

gctggccgtg gctcagctcc ggcacggtgt ggttcctctt cttcaacgtc ttcgtcggcg 240

ccgtggccgt cctgtcctgg cggcagggca gcgac 275

<210> 8460
<211> 120
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045f09b1

<400> 8460

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ttttgggggt ccttggttcc agggaaacca ggttctggag ggtaataaaa tccatggggg 120

<210> 8461
<211> 384
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045f11b1

<400> 8461

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gaggtaccgc aaaaattagg ttgcaagtca atgctacgcc tttccaggct ggtaggctta 120

tcctagcata tattcctcaa tatgttcatg agccaaggag ttatactatc catttaactt 180

ccttaacaac aattactcaa ttgccccatg tggaaatgtc cttgcaagac actgaggcgg 240

agctggtcat accatatata gctccaacca ctcattatag tgccttgtct ggtttctatg 300

attggggtac agtcttttgt tatgtttatt ccccattagc aactgggacg ggtagcaata 360

ctgatcgcta tactgcttgg atga 384

<210> 8462
<211> 346
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045g01b1

<400> 8462

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caaatttgca acgacgaatt ttataccatg cttgtgtagc tcagtctgtg gcgggcgagg 120

cgtgggaggt gacgatgacg aatgatatgg tggtcagcag ataaaagaag ccgttcatct 180

ccattgccca gttggggcct cttaggggac taatctagca ttgggggtta caggaggaga 240

gacgctctca tggattagga tgttgcacat cattgacggg tcattccatg gattaggatg 300

ttgcacatca tcgacgggtc attccatgga ttaggatgtt gcacat 346

<210> 8463
<211> 271
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045g02b1

<400> 8463

aatgccacgc gtccgccgca ttcacatcca catccaagga tcaaacgccc gatcgaaaag 60

cttctctcca gcaagcagag gcaatcagga agcctgcggc gatggcggtg gggttccgtc 120

gggcgctgga cgcgctcacg tcgcccaagt cggccctgct ggagtgcgcg cggcccaaga 180

agctgtcctc ctacgcgcgc gtccgctcca tcagcctccc cgtccgcctc cacccgctgg 240

tggccgcgct gcacgactcg gcgcgcgcgc t 271

<210> 8464
<211> 327
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045g03b1

<400> 8464

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gtaaggcgcc ggtcccggcg aagaagaaaa cggagaaggt gaccaacccg ctgttcgaga 120

agaggacgaa gcaattcggc atcggtggcg ccctcccgcc caagaaggac ctccaccgct 180

tcgttaagtg gcccatggtt gtgcgcatcc agcgccagcg ccgcatcctc aagcagtgcc 240

tcaaggtgcc cccggcactc caccagttca cccgcaccct cgacaagaac cttgcaacaa 300

acttgttcaa gatgcttctt aagtacc 327

<210> 8465
<211> 320
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045g04b1

<400> 8465

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tctgcaggca tgcaaagatg agcctgcttc caaaccagca agcggcagat gaagagctgt 120

caacatatta tcagcctggg gttgatcgga ctgctatgtc ctcaccattc aaaaggtttc 180

tagagaagca caagaagctg cggacatgtt tgcttctttt tgttctgctt ggagcatgca 240

tggtgatagg tgatggcgtc cttacaccca ccatctccgt tttggcagcc ttgtctggat 300

tacaagaccg aggcacaggt 320

<210> 8466
<211> 347
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045g05b1

<400> 8466

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aaagaggatg ctgcatgctg tttaccgtgt gggagatctc gaccgcacaa ttaagtgtta 180

cacagaatgc tttgggatga agctgctgag gaaaagagat gtccccgaag agaagtacac 240

caatgccttt cttggatatg gacctgagga tactaatttt gcacttgagc tgacttacaa 300

ttatgggtgt tgacaagtac gacattggag cgggctttgg acatttt 347

<210> 8467
<211> 369
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045g06b1

<400> 8467

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tcctcgcctt ctccgcggcc tccacgacgt actccggcga ccgctactcc ctcgcggagc 180

tcctccgcag ggtgaccaag tgggccaacc tgaggggccc tctcgtcacc gtgggctgtg 240

gtcaccgcgc tccagctcac gttcatggcg ctcctgggcg tctacctctc cgccgtcatg 300

cgccacgcgg gggtgctctc cgtgcaaggc gcggtcttcg tcctcgcctt tctcgccttc 360

atgtacttc 369

<210> 8468
<211> 342
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045g07b1

<400> 8468

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ccctctctgt gtgcatgacg atttatggtt gggtgttcat gatctccgtt gggttcaatg 180

ccgctgcaag tgtaagagtg agcaatgagc ttggcgccgg caaccccaag tctgcatttt 240

tctctgtgtg ggtcgtgacc gggctctctg caacaatctc taccatcctt gctgttgtga 300

tcctctgcct ccgcaaccac atcagctact tgttcacaga tg 342

<210> 8469
<211> 209
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045g09b1

<400> 8469

tcggcggcgg acggagcaaa gcagagcgac tcatcgagcg cagccgccat ggaccgtgtg 60

cagttcgtgc tcctgggcct gcccatactc ctattctgct ccgacgtagt cacgctcttc 120

gcgccgtatc cgtcggcggg ccccaagtcc caccggcacc cccagccggt ctgcggcgcc 180

ttccagcctg gcgactccta ccgctacgc 209

<210> 8470
<211> 122
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045h01b1

<400> 8470

tcggtgccta cctgatactg ggaagaaaga aatttggtca cagacctgca ggtcaggtct 60

ttgcaacaca cagttatgct gtccactgct ggatcgaact tgactagctt attgctttaa 120

aa 122

<210> 8471
<211> 215
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045h02b1

<400> 8471

tcgtcttgag ggtgacaaca tgattgagag gttcaccaac cttgactggt acaagggccc 60

aacccttctt gaggcgcttg acccatatca acgagcccaa gaggtcgtct gacaagcccc 120

tccgccttcc ccttcaggac gtttacaaga ttggtggcat tggaactgtg ccagttggtc 180

gtgttgagac tggtgtcatc aagcctggta tggtt 215

<210> 8472
<211> 278
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045h03b1

<400> 8472

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ctcatggtgc accaagttaa gcagcaattt ctatgactgg acgtgccccg gagtgtacaa 180

cgtggtccag caacacgtgt tttctgccat gagggaagag ctgaggatgg gggcctccct 240

gctcaggctc catttacatg actgctttgt caatgggt 278

<210> 8473
<211> 205
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045h04b1

<400> 8473

tcttctttca gaagcgttgt atgttgcaga gcagaaggcg agggaagcag tgcagatgcg 60

ctccaaggtg cagagggagc taatgctaaa ggagaaggag aggaaggagc aagagttgag 120

ggcacttgca cagaaggccc gcatggaaag gtctggtgct ccacctccat ccacgggtat 180

gcctgttgga ggtgggaggg agaga 205

<210> 8474
<211> 337

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045h07b1

<400> 8474

ttcgtctgac aggccacctc aaccccgctt ggcgatccga acccaccgac tcctcgtggc 60

cgacgacgcc accatggcgg cgctcctagc ccggcaggca gccctggccc tccgcgctag 120

gcagacggcg cgtctcggcc cgtccgcgac ggcgatgcag ggccacctcc ggacctacat 180

ggacgcgggg gcgcccaaga ggttcaaaga ggacgaggag aaagaacagc ttgcgaaaga 240

gctcgccaaa gactggagtg ctgtgtttga aaggagtatc aatacattgc ttttgactga 300

aatggtccgt ggtttgatgc tgacgctcaa gtacttc 337

<210> 8475
<211> 262
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045h08b1

<400> 8475

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tatgatcctc aggtgactga ggactaattc cagcgtgacc ttgcgtggaa ctaatttgtc 120

tgggaccacc ctgttcatgt ccagcccatg agccccacga ctacaaagga agtctcggct 180

acgtgggatg catatgcggc taccaaagat gcccatggca tctgcatcat gactgagtgg 240

gatgagttca agactgtgga ct 262

<210> 8476
<211> 86
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045h12b1

<400> 8476

actcacgggg aaaggggaag gggaagcagt gtgtgtcggt gtcggcgagc aatggcggac 60

aagccgagcc gggcgctggt gctcta 86

<210> 8477
<211> 440
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047a02b1

<400> 8477

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accctcgtca acccctgcac ctggttccac gtcacctgcg acagcgccag ccgcgtcgtc 120

cgcctggatt taggcaactc caacgtctcc ggctccatcg gccccgagct cagccgcctt 180

gtgaatcttc agtacctgga gctgtacagg aacaacctca acggcgagat cccaaaagag 240

ttgggcaagc tgaagaattt gatcagcttg gatctgtatg ccaataagct caccggaaga 300

atcctcaagt ccctttccaa gctcagctca ctgagattca tgcgtttgaa caacaacaaa 360

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tctaacaatg acttatgtgg 440

<210> 8478
<211> 118
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047a03b1

<400> 8478

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tgaaacctgg atgttatgag acttggttgt gtcttttaat actagtttgt tgaatttt 118

<210> 8479
<211> 135
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047a06b1

<400> 8479

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caaaggggct gaaatttgta actgttttga tcagcattgg agctgtcgct ggtcttacta 120

caacacttct tgttg 135

<210> 8480
<211> 453
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047a07b1

<400> 8480

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aggtcaacgg cctggtctac gacgccatca acaacggcgt ctacaagtgc ggcttcgcca 180

agaagcaggg gccatacgac gaggccgtca cgacgctgta cgaggctctg gacaagtgcg 240

aggagatcct gggcaagcag cggtacatgt gcggcaacca gctcacggag gccgacgtcc 300

gcctcttcgt cacgctcata agatttgacg aggtttacgc cgttcacttc aagtgcaaca 360

tgaagctcct gagagagtac cctaacctgt tcaactacac caaggacatc taccagatcc 420

ccgggatcaa cagcacggtg aacatggagc aca 453

<210> 8481
<211> 319
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047a08b1

<400> 8481

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cggcgtgatg cgagaggcca aggaggcgct taaggtgagg ttcacggact ggatgcacgg 180

tggcgccaag gacgaccact acaatgtgcc gctggattac ggcaccgtga cggtgtcgga 240

ctggagccgc gtcggcttca acgaggtgga ctatggcttc ggtgagcccg gatacgtgtt 300

cacgctcaac gacgacgtt 319

<210> 8482
<211> 400
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047a09b1

<400> 8482

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ctagagcagg ccctgtttta attcttttttg ggggcgagga taccaaaggg aagaaactac 120

atgaccttca tatgtttgat ctgaagtcct taacatggct tcctttgaac tataaaggtg 180

ctggaccttc tccaagatcc aatcatgttg ctgcacttta cgatgacaga attcttttga 240

tttttggagg cgaatcaaaa tccaagacct tgaatgatgt ccatgctcta gattttgaaa 300

caatgttatg gtcaagaatg agaacacatg gtcatcatcc atcacctcgg gcaggttgct 360

gtggagctct ctgtgggacg aaatggtata tagcaggggg 400

<210> 8483
<211> 481
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047a10b1

<400> 8483

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aagctggagc aggccgccga gatggagcgc cagcgtctgg acttcgcacg ggagcttgag 180

tcgcaacgcg tgcagttctt cctcaatacg cagaaggagc tctcacaggg caagagccac 240

atctctcccg ctgcggctgc ctcccactcc caggtaggtg ccgccactgt tggtggctca 300

tctaggagga tggcgtccgt accagattcc acatcgagaa gaatggcacc gtttcctgat 360

gcccggacga gcagcaatca ccatgaccgg taccgtgcca gcgacggtag cagacaccat 420

caccgccctg ccctgcgtcc gcattatcag taccatgaga acaatatggc agactctgca 480

g 481

<210> 8484
<211> 334
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047a11b1

<400> 8484

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gcgactcagc ccgccctgct atgcccgcgt ctccagtcta ctttgcccgt ggcgacctcg 120

tgccgatctg gccgccccgc ggtcgggcac gatctggagg accaacaggc ggtggtgcac 180

ggtctgggcg gcggcgacct gcgcggccca ggtgctgcac cgatgcctcc ttcctccgtc 240

gcccaggtcc aaggcggctc tcttctagcc aaccaccagc catgcgtcgc cccctcctcc 300

ttggccgact ctctcctcct ctagagaagt agca 334

<210> 8485
<211> 332
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047a12b1

<400> 8485

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agcagcagca ggggagcagg ccgctgtgcg acttctccaa ctttcgggcg aacgtgtgcg 180

agatgcgcgg cgacgtgagg gtgcacccga aggccacctc ggtgctcttc atggagcccg 240

aggggtcgca gcgggacgag gtgtggaaga tcaagcccta cccgcggaag ggcgacgagt 300

tctgcctcag ccacatcacg gagctgacgg tc 332

<210> 8486
<211> 175
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047b01b1

<400> 8486

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actcctgatg gtgctgtttt tgagagcaat gctattgcac gctatgttgc tcgctcaaag 120

ggtgacaacc tgctttgggg tggttctctc attgaatatg cacgtgttga gcaat 175

<210> 8487
<211> 165
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047b02b1

<400> 8487

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acccccgcgg cggcggagcc ttcccgggcg ctcaccggac acgcgcaaaa acactatgag 120

gaggtacagc ccttcacacc gtagtccccc gaggagggga tatgg 165

<210> 8488
<211> 302
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047b03b1

<400> 8488

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accgcatgtc gtggtctgac acggacgcgg cgctcttcgc ggccgtcctg ggccacgacg 180

ccgcgcgcca cctggccacc acgccgccgc acctcgacgg cccggcctcg tcgtcgcccg 240

agctgcaggc gcgcctgtac gacctcgtcg agcggggagg agcctggacc tacggtatct 300

ac 302

<210> 8489
<211> 119
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047b04b1

<400> 8489

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tgtcctcgcc cgagcgctcc gtctcgtcca cgctcaccga gtcgacgtcc acggcctcg 119

<210> 8490
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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047b05b1

<400> 8490

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tatgcagaaa ggctattcta ttactatact gcttgctgtt cttacctttg gagggtctac 120

tcgttggctc ctgtacactg aacaagcacc tactgcatgg ttcaattttg ccttgtgtgg 180

cttggtgggc atcatcacag catatgcttt tgtttggatt tccaagtatt atacagatta 240

taagcatgag cctgtccgcc ttttagctct ttcaagttcc acaggacatg gaactaatat 300

tattgctgga gtaagtttgg gaatggaagc aacagcctta ccagttctag tgatatctat 360

agccattata tcagcatttt ggttgggacg tacctgtggc ttggtagacg agcttggcaa 420

tccaac 426

<210> 8491
<211> 243
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047b07b1

<400> 8491

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cggtggccca ggtgttcaag gcgaatgatg tcgccctgtc gaaccatagt agctccaggt 180

tgcaggacat tcgtgggctt cggcggtaag ggcatcttga tcgcccccta tggtgagcac 240

ttg 243

<210> 8492
<211> 470
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047b08b1

<400> 8492

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ttactggtaa catacaaggc gctttacttg attcaccaat cgactggaaa aggtaccttg 120

gtttaatcat gtggtatcag ttgtcaccag atacatcact tgatattatc attcggtgtt 180

atcaccaact acttggtgag ggcaaagttc caaatcctgt tcctgtatac atcgatgaag 240

gacctctcga ggaagcactt cagtggtccc caggtgaccg gtttgacata tcttttttatt 300

taatgcttct tcatgcaaac caagatgaga agtttgggct tctaaagact atgttcagtg 360

cattctcgtc atcgtatgat cccatggact accatatgat ctggcatcaa cgatctattc 420

tcgaagctat tggtgctttc agtacaaatg atcttcatgt actggatttg 470

<210> 8493
<211> 248
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047b09b1

<400> 8493

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ccatcgagga ggtgatctac cacaacgaga cgtacgacgt gacgaccata cgcgcgagca 180

cgccgatgtt cctgatggcg cgcaagatca aggcgctcgg ggttaagatg gtgctgtctg 240

gggaaggc 248

<210> 8494
<211> 365
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047b11b1

<400> 8494

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ctacacctgg agggccgtct acgcctactc ccaccacggt atttatgttg gaggaagcaa 180

agtggtccat tttacacgaa agaaggaagt tgaatcttcg gattcatcca actccatctc 240

tggcctgatc tcacgggctt catcagagtg cccaacattc ccagactgtg gttttcagct 300

ggccgatagt ggcgtcgtac tcacctgctt ggattgcttt cttgcgaatg gctccctcta 360

ctgct 365

<210> 8495
<211> 341
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047b12b1

<400> 8495

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cctcaggaag ctgacggagg cgccgtacct ggagacggtt gactggagca cgtggcatgt 180

gtactgggta gacgagaggg tcgtgcccaa ggaccacgag gatagcaact acaagctcgc 240

cctggatggg ttcctctcca aggtaccaat tcctgctggt caagtgtatg ctatcaatga 300

tgccttgtct gctgagggag cagcagagga ctatgaaact a 341

<210> 8496
<211> 153
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047c02b1

<400> 8496

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tgcgtgtgtg tcgtctctgt tcggtcgctc cggcgagatg aagctcccgc tgtcggcggg 120

gtcgcccgac gcggcgccgg agatggccaa gcc 153

<210> 8497
<211> 292
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047c03b1

<400> 8497

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aagctctgga gccttcttag gcagagtgct gtggctagca gtgcctccac cggctcggct 180

cctgccctgt tcaacgctgc ccgcttcatg tgcgccggcc agcctgctga tggctccaag 240

ctttttcgtg gtggtctcgc ctgggctact gatgatcatt cgctgaagga gg 292

<210> 8498
<211> 378
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047c04b1

<400> 8498

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ttagttgttg atttatttga aatgtattgc ttgccagctt ttgcattgtc attatcttga 180

aatcatctta aatgtgtgtg tgaactgcta acttggttct tcctctcgga tgtgattcct 240

tagacctttc atcatcatat tcatttcatt gtatattgca agacttggat tcaaatgttg 300

aatttgttat tcgattgttc ttgttctggc attttgattg aaaaactgga atcctttgaa 360

aacatccacc caagccca 378

<210> 8499
<211> 320
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047c05b1

<400> 8499

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ggcgaggcgc tgtgggagat gtccgggcac gacgcggcgc tggacgcgct gatcaacagc 120

gccatggtct cggacagccg cttcatcgtg gacatcgccg tcagggagag cggcgacgtt 180

ttccgggggga taagctccct ggtcgacgtg ggcggtggcc tcggcgcggc ggcccaagtc 240

atctcggagg cgttcccgca cctgcagtgc agcgtgctgg agctcgagca cgtcgtcagc 300

aaggcgcccg ccggcacctg 320

<210> 8500
<211> 86
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047c06b1

<400> 8500

catcactagc ggtccatcgc cgactacttc cctccccacc ttctcaagaa ggtggtgtcg 60

gaggtggtga ccacgttcct gctggt 86

<210> 8501
<211> 450
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047c08b1

<400> 8501

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ctcaccgccc aaggtcgccg cggatccagt agcctcgtcg gagcggagat gaagatcacg 120

gcgctcgtcg tgctgaagcc gtcggcggga ggcgccgggg gctcctcctc cagcggcggg 180

cagggctcgg aggcgctcgt gctggccaac gccacggacg tcagccactt cggcttcttc 240

cagcgcggcg ccgcccgcga gttcatcgtc ttcgtcgccc gcaccgtcgc ccagcgcacc 300

cagcccggcc agcgccagtc cgtccagcac gaagaataca aggttcactc acacaacaga 360

aatggcctct gcgtggtggc attcatggat gatcactatc ctgtacgaag tgcattttct 420

cttctgaata aggtacttga cgaataccag 450

<210> 8502
<211> 348
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047c09b1

<400> 8502

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catccttata aacggcagta agttgtgggt agctaatgtt ggggattcgc gagctgttct 120

tctgaaagga ggtgaggcca tacagatgtc aattgaccac gacccgaatg ctgagcgcgg 180

cgctattgaa aataagggtg gttttgtttc aaatatgcca ggagatgttc ccagagtctg 240

tggacagttg gccgtgtcca gagcgtttgg ggacaggaat ctaaaatcac ttttgaaatc 300

agagcctgat gtgaaagttg atgatatcga tcacactgct gagctagt 348

<210> 8503
<211> 425
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047c10b1

<400> 8503

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ttcctgccgt cgtcaccacc accatggctg tcggtgctgc ctacctcgcc aagaagaagg 120

ctatcgtcca gaagctgtct gccattgagt cgcttgctgg tgtcgagatt ctctgctctg 180

acaagaccgg taccttgacc aagaacaagc tctctcttgc tgagccttac tgtgttgccg 240

gtgtcgaccc tgaggacctc atgctcactg cctgccttgc tgcctcccgc aagaagaagg 300

gtattgatgc catcgacaag gccttcctca agtctctccg cttctacccc cgcgccaagt 360

ctgttctgtc caagtacgcc gtcaaggagt tcttcccctt cgaccccgtc tccaagaagg 420

tcact 425

<210> 8504
<211> 261
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047c12b1

<400> 8504

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ttgatgcaac ttgatggatc ccatgactat gttgattgct tcatatctga tgccggcagt 120

atttacaaaa ccaagattga tggtgcaaaa agtgctgcta tagagcttac agataaggat 180

gaattgattg tcattcgttc ggatgaatct tctggattag atgttcttga taacgaactc 240

gccaacttgg caacctggtt g 261

<210> 8505
<211> 254
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047d01b1

<400> 8505

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cggtcgcttc gatgactcct tcagcttggc ctctttcaag gcctacatcg ctgagttcat 120

ctccaccctc atcttcgtct tcgccggcgt cggctctgcc atcgcctaca ctaaggtgag 180

cggcggcgcg ccccttgacc catccgggct gattgccgtg gcgatatgcc acgggttcgg 240

gctgttcgtc gcgg 254

<210> 8506
<211> 385
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047d02b1

<400> 8506

cttttgatta atctattgat ctgtctatgg acaggcaggc atctatttgg tttgacgctg 60

gtgttcaacc gttagttact actgtaccag caaggccgca aatataattt tatgcattct 120

aaaaatatat catctagttc gagagctagg ataaaatata ccaacactgt agtttgttgg 180

ttctttttgt gtgtggatca tctatgttgt gcgtttgcat tttgagcttg atgcagtcta 240

tgttacagtc ctgcaaattg aagcatacaa actactccct ccgcttttgt ttactccatt 300

attagttttg accctagtcc aactttataa agattgacca agtttataga aaatgatatt 360

aaatttcaca ataactaata tatat 385

<210> 8507
<211> 111
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047d03b1

<400> 8507

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ggtttccgta gttcggagag gagagaaagg gagagatcca tggcggagac g 111

<210> 8508
<211> 211
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047d04b1

<400> 8508

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tcgtgcaccc cggcgagaac gcgcgccgcc gcgacccgcg ccgctactcc tacagctgcg 120

tgccctgccc ggagttccgc aagggcgggt cgtgccgtaa gggcgacggc tgcgagtacg 180

cgcacggcgt cttcgagtgc tggctccacc c 211

<210> 8509
<211> 293
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047d05b1

<400> 8509

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acgtcgactc tggcaagtcg acgaccactg gccacctgat ctataagctt ggaggcattg 180

acaagcgtgt gatcgagagg ttcgagaagg aagccgctga aatgaacaag aggtctttca 240

agtacgcctg ggtgcttgac aagctcaagg tcgagcgtga gaggggtatc acc 293

<210> 8510
<211> 127
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047d06b1

<400> 8510

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ctcgccgccg gctgctgcgc gtcggcgggc gccgtggcgt acctctccaa gctgccggtg 120

accctcg 127

<210> 8511
<211> 216
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047d07b1

<400> 8511

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taaatggacg ccacttcata ttccttgaac catttc 216

<210> 8512
<211> 234
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047d08b1

<400> 8512

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cgccgcggaa ggcggcggaa acaactccac cgactctgcc gggcaggtcc gcctgagctg 180

cggcgcgtcc gccccggcca ccgactccga cggccgtgcg tgggaaggtg actc 234

<210> 8513
<211> 393
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047d09b1

<400> 8513

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cgtcttcccc ttcaggacgt gtacaagatt ggcggcattg gaactgtgcc agtgggccgt 180

gttgagactg gagtcatcaa gccaggcatg gttgtcacct ttggtcctac tggcctgacc 240

actgaggtga agtccgctga gatgcaccat gagtctctcc tggaggcgct tcctggtgac 300

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tccaactcca aggacgaccc tgccaaggag gct 393

<210> 8514
<211> 327
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047d10b1

<400> 8514

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gggcaagacg gcgtccaagg aggccggcgg cgagggcaag acccggggcc gcatgaaggg 120

cagcaaggcg aagaagggcg tggagacgta caagatctac atcttcaagg tgctgaagca 180

ggtgcaccct gacatcggca tctcctccaa ggccatgtcc atcatgaact ccttcatcaa 240

cgacatcttc gagaagctcg ccggggagtt cgccaagctg gtccgctaca acaagaagcc 300

caccatcacc ttccgggaga tccagac 327

<210> 8515
<211> 287
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047d11b1

<400> 8515

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tcggcatcga cctcggcacc acctactcgt gcgtcggcgt gtggcagcac gaccgggtcg 180

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cggagcgcct catcggcgat gccgccaaga accaggtcgc catgaac 287

<210> 8516
<211> 157
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047e01b1

<400> 8516

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tttactgaca tggcttcctc gcgtgccatt atgatgc 157

<210> 8517
<211> 347
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047e02b1

<400> 8517

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agcaccaaca agacgctgct caagagcgac gccctctaca cctacatcct cgacaccacc 180

gtgttccccc gcgagcacga gtgcatgcgc gacctgcgcc tcatcacgga caagcaccca 240

tggggctaca tgcagtcgtc ctcggacgag gcgcagctgc tggggatgct gatcaagatg 300

gcgggcgcca agaagacgat cgaggtgggc gtgttcacgg gctactc 347

<210> 8518
<211> 346
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047e03b1

<400> 8518

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gccgtgggag cggcgacaac atcacctgcg tcgttgtcaa gttccagcac agcaagacgg 180

gcggtggtga ctcccctccc atctctcccc cgggcaatca aatttgattg ctactattcg 240

tccgctatac atgttgttgt tagcctttaa atttacagca gctggatgga tgttttctct 300

gttgaatgag ttgtatgtac attggcggct ggtactagat ggcgac 346

<210> 8519
<211> 386
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047e04b1

<400> 8519

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aggaggagat gaagattatc aaagctcaga cagagatctt tatcttaaaa gagagtttgc 120

gcgacatgtc tgaagcgaat tcggactact cggcaaaact gcagaagaag gaagaagcat 180

gcaaggttca tgaggagaaa ttgggctgct tgtcacagga taatcagaag ctaactgaag 240

ggatcggttc attacggaaa gtattgcact tggatgagaa gtacgagtcc ctggaccaaa 300

tgaagcttga catcattttg cagctcatgt tgcatgaggt caactgctta aggagtacaa 360

tatctgatgc ccaggatgcg agacag 386

<210> 8520
<211> 247
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047e05b1

<400> 8520

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tgccccgctg ccccatgctt cttctccctc tcctctcatt cgtttctctt ggctctctag 180

ctctctgcct ctcaagtctc cctattatct ccccgtgtag gagccgtgga agccatggac 240

tgaattc 247

<210> 8521
<211> 427
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047e07b1

<400> 8521

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ctctcaaagt tctccgggca agactatatg aattggaaag gcataggctc catacagacc 120

ggtcgaagct ccgatcagag cagattggaa gtggtgacag gtccgagcgc atcagaacat 180

acaacttccc acaagggcgt gtcactgacc atcgtgtcgg ggtcacgcac cactccatag 240

tggacgtcat ggagggagag agcctggacg tcttcatcga agcgctgctg ctgcaagaag 300

agatggatgc aattgcttcg tttgcttcgt gagccctaat ttttgtggat ttcttcctgg 360

agcgacaaac cgcatcataa acacactgaa cactgaacca acatagagga gaaactctag 420

gattatg 427

<210> 8522
<211> 371
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047e08b1

<400> 8522

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cgttcgacca actcgcctct agaacacaga gccccccgcc gcccggatcc cttcttcatc 180

cccctctccg ctctttgtat cgctcaccac cgccatggct aagcagcaga agaacgcgca 240

cgtcccgaag ttcggcaact gggacaacga cggcaacgtc ccctacacgc tctacttcga 300

caacgcgcgc aagggcaagg gcggcaagcc catcaacccc aacgaccccg tcgagaaccc 360

cgaggccttc t 371

<210> 8523
<211> 366
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047e09b1

<400> 8523

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ggatgcttga caagcttggt ggagcttttg cccccaagcc atcatctggt cctcacaagg 180

ccagggagtg cctgcctctg atcctcatcc tgaggaacag actgaaatat gctctcacct 240

accgtgaagt gcaatctatc cttatgcagc gtcatatcat ggctgatgga aaggtccgca 300

ctgacaagac ctaccctgct gggttcatgg acatcatttc cattcccaag actggtgaga 360

actaca 366

<210> 8524
<211> 284
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047e10b1

<400> 8524

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tatttggtcc cggcaaccag tatgtcacag ctgctaaaat gattcttcag aacagcgaag 120

ctatggtctc tatagacatg cctgctggcc cttcagaagt tctggtaatt gctgacaagt 180

atgccaaccc agttcatgtt gccgctgatc tgctatctca ggcagaacat ggcccagata 240

gtcaggttgt tctagttatt gcgggagatg gtgttgattt aggt 284

<210> 8525
<211> 137
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047e12b1

<400> 8525

tcgcccacgc gtccgttttc cccttctttc tccctccggt ccggtggatc tccagccacc 60

caggcccgag ccatgggcgg agacggcgac ttcaacgccg caggcggcgg aaggggggtt 120

gcgggtcgga ggcgtgg 137

<210> 8526
<211> 126

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047f01b1

<400> 8526

cggtcgctcg gggtcgaaat agccggtgat gcgtgtttac atgggtgata ctttctgcca 60

tgtaaattga aatatgtctc atgatgtttc tttattagtt gctgcatagt tatactgaat 120

tgcatt 126

<210> 8527
<211> 144
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047f02b1

<400> 8527

cttatcgctt gggcggacgc gtggggcatc atcctctgta atgagtaaac agagcacttc 60

tgttttgagc aatatggggc tctcagaggt ttcttctgct ttaacatgat ttggcgacct 120

cgacgatggg tagcttttcc tata 144

<210> 8528
<211> 192
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047f03b1

<400> 8528

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atgaacggct acttgcccaa aataacccag gaggcttgcc atctgcgtcc tcagatgacc 120

gctcgctgtc aacttgcatg tgtacatggg aagaacacat atcatcattg agggatttga 180

agtttggagg at 192

<210> 8529
<211> 174
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047f04b1

<400> 8529

aaatcctagg acccgatggc ctagccacca ttcccacaca cagcccgccc gccggcgccg 60

gcatgccgcc gttccggcgc tgggcggatc tgccggcgga cctcctctgc cggatcggcg 120

acagactgga cctcaagtgc tacgccagcg cgcggggcgc ctgcacggtc tggc 174

<210> 8530
<211> 178
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047f05b1

<400> 8530

cctcgtttcc gctctcccct gctctcctcc acccctccca tggccgcccc cagttcctgg 60

gcctccccgt tccacgaaaa gagagcttag cgctaccaag ccctccgttc tttccagttc 120

tcggctgctt tctccgtccc ggtcatcaat cttcgtcgag cagagagagg aaggaggt 178

<210> 8531
<211> 275
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047f06b1

<400> 8531

ctttaattat agtcatggct gctattggag gaaacactgc tggtccaggt gatgctgttc 60

ttaatgtgta cataaaccat gacaagaaat tcgcttttgt ggagatgagg tctgtggagg 120

aagcaagcaa tgcaatggca ctggatggca ttttatttga aggtgcacca gtgaaggtta 180

gaagaccaac agactataac ccttctctgg cagctgccct gggcccaagc cagccaagct 240

ccaatttgaa tcttgctgcg gttggcctaa cacca 275

<210> 8532
<211> 290
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047f07b1

<400> 8532

tcgcttatcg cgtgggtcca aacttcaatc gaatctcaag gtgaagattt gccagacacc 60

atgaaagagc aactgaaagc aagcaggatt aagatcttgg ctgccttcct ggtcttcgcc 120

atggttactc aaggcttcgc gattcgtgtc aaggggacag tgaggaatga catgacagat 180

gaggctatca gcacgaaaac caccctcggt gcaggcagca gcacaacggt ggacaaccac 240

catgcaatcc cacgggatca gtatagtagc catggaggag aggacggatc 290

<210> 8533
<211> 163
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047f08b1

<400> 8533

tcgggtggag gacgtgcggc tgggcgcgaa ccgctactcg gagcaccagc ccatcggcac 60

ggcggcgcag ggcggcggcg cggacgagaa ggactacaag gagccgcccc cggccccctt 120

cttcgaggcc ggggagctca cctcctggtc cttctaccgg gcg 163

<210> 8534
<211> 431
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047f09b1

<400> 8534

tctgctttgt tctgcttggg cggcgtcttc tgaggcgcag gcttttctcc ccctccgctc 60

taccccggcg gccgattcgc gccccctcg ctcgaccctc caggtcaggg aggcttctct 120

cctaggagag gatcaatgtc caattatcac gacgatcacg tcgaagacat ggaggatgat 180

tatgacatgg acgaccccgc tgaggacatg gttgacgccc accacgagcg aggtttaaga 240

gactccgatt cggaggatga cgagtatgcc cattcgaatg ataagatccc agatacttcg 300

gcagcggatg caagaaaagg gaaagacatc caaggaatac catgggagag gctagctatc 360

acatgggaaa actacagaca gaccagatta gagcagtaca aaaactatga gaacattcct 420

aattctggag a 431

<210> 8535
<211> 359
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189047f10b1

<400> 8535

tcgcaaacct tgattcgaca tggcgaagtc gcccatggcg atcttggctc tcgggctagc 60

agcactagtc ctatccggcg ccgggctggt ggccgcgcag aactgcggct gccagccgaa 120

cgagtgctgc agcaagtacg gttattgcgg gaccgatgcc agctactgcg gacaagattg 180

tcggtcgggc ccgtgcacgg cgagcggcgg cgggagcggc gatcccgtgg agagcgtcgt 240

caccgacgcg ttctttgacg ggatcaagtc ccaggccgcc gacgggtgcc ccgggaagag 300

cttttacacg cgccagttnt tcctggacgg cgcccaggcg aaccccgact tcggcaaag 359

<210> 8536
<211> 101
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047f11b1

<400> 8536

tgcatctcct ccccttccgg ttcgggttct ggttcggttc tggtccgaga gtagctagcc 60

tagtctaggg tttccgtaga gaggaaggga gagggagatc c 101

<210> 8537
<211> 132
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047f12b1

<400> 8537

ttgcatcccg ccgccgcctc ctctcggctc cttcttcctt cgagtttcag ccatgggtaa 60

ggagaagact cacatcaaca tcgtggtcat tggccatgtc gactccggca agtcgaccac 120

cactggccat tc 132

<210> 8538

<211> 87
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047g01b1

<400> 8538

aagaaacaag caacgaagtt tctgtttcga gcaaggagtg gtagagattt caaaccagag 60

gttgctagtt aacccgagag ttgagga 87

<210> 8539
<211> 106
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047g02b1

<400> 8539

gcagcaccac ccccacgtca cggcctcacg ccacggagaa cacaacgtcg atccggagag 60

cggagcacgc aatggagcct gtggccgtcg tggcggtgcc gttccc 106

<210> 8540
<211> 312
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047g03b1

<400> 8540

cctatcgcta gcgcccacgc gtacgcggac gcgtgggtgc atacgacaca aagcataaca 60

agatgaattt cttcgaccca tcgaggaaag aggacttcct gttcatctct ggcacaaaga 120

tgcgtagcct tgccaagaac cgtgagagcc caccagatgg ttttatgtgc ccgggtggct 180

ggaaggtcct cgtcgagtac tacgacagct tggcaccacc agaaggcagc agcaaaccgc 240

gagaggcggt tgcggcttag aagccgtggc gttgattctc gtatcatgaa ccaatgatat 300

atgattgtat at 312

<210> 8541
<211> 181
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047g04b1

<400> 8541

ctttggttat ccactccaat ccaatcccca cagaaatccc catctcaaaa ccctagcccg 60

tccgatcccg gcgagatggc caacccgagg gtgttcttcg acatgaccgt cggcggcgcg 120

ccggccgggc gcatcgtgat ggagctgtac aaggacgcgg tgccgtggac ggtggagaac 180

t 181

<210> 8542
<211> 361
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047g05b1

<400> 8542

gtcttgttca tccacggtgg caacttccaa ggcaccccca ttggtgtctc catggacaac 60

acccgcctcg ccattgctgc tattggcaag ctgatgtttg cgcagttctc ggagctcgtg 120

aacgacttct acaacaatgg cctgccttcc aacctgtccg gtgggcgcaa cccgagcttg 180

gactatggtt tcaagggcgc cgagatcgcc atggcctcgt actgctctga gctgcagttc 240

ttgggcaacc cggtgactaa ccatgtccag agcgcggagc agcacaacca ggatgtgaac 300

tcacttggtc tgatctcatc caggaagacc gccgaggcta ttgacatctt gaagatcatg 360

t 361

<210> 8543
<211> 77
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047g06b1

<400> 8543

cattcaatca tatctcttgg gagagacaac actgtcttgg gagaatagca gcgctcaaat 60

tgtggatttg gtttcaa 77

<210> 8544
<211> 281
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047g08b1

<400> 8544

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ttcctctctg ctctgctttc tgactcaaac tgcaacaatg gctgccccga cctctgcaat 180

cgggttcgag ggctactaga agcgcctcga gatcaccttc tccgaggcat cgatctttgc 240

cgaccctcat ggtcgtggcc tgcgcgccct ctctagggcc c 281

<210> 8545
<211> 341
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047g09b1

<400> 8545

tcgtgttgcc cttcatacga agctgatcgg ccacctctca acaacaaaga tgaagatagg 60

gaaggctcct gagctcctga agaaggccgt agcgatgtgc aagagcaaga ccaccaggct 120

cctcatcctc gcctcgctcc agcgccgcag gatgtccatg ggcgttgtgg tctctcgcaa 180

gatcggcgcg ctcattgtgg ccgactggga gagagcggac cgccacaagg ctctcgcgct 240

acaaacggtg gagaagagac cggtaatcat ccaggagagt gacttggagg ccaatttctc 300

tcgtcacttg gcgatgttcg gtcaagagaa tggtcatggt g 341

<210> 8546
<211> 57
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047g10b1

<400> 8546

tcctcctcgg tcctcgcccc catccaaatc ccccgccgcc cccctcgcgg aggagga 57

<210> 8547
<211> 206
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047g11b1

<400> 8547

tcattaacat tactttatct aaggaaggta tcctctctgc aattgatact gggaagtctg 60

aaggaggtcc atctggccga cattgggttc tggatccaat tgatgggact aaaggtttct 120

tgagaggagg ccaatatgca atcgcactgg cactgcttga tgagggcaaa gttgttttgg 180

gcgtgttggg atgtccaaat cttcct 206

<210> 8548
<211> 142
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047g12b1

<400> 8548

ctcgcctacg cgtccgggga gcagccgcag ccatgggtcg cgtccgcacc aagaccgtga 60

agaagacctc ccgccaggtc atcgagaagt actactctcg gatgaccctc gacttccaca 120

ccaacaagaa ggtgctagag ga 142

<210> 8549
<211> 332
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047h02b1

<400> 8549

tgcttagttg taccaccgtc ccagcatctt acaaagcgaa ttgttaagct tgaaaggggt 60

ttgaggtatt attatccagc aatgtgcttg aatcagcagg atgaaaattc ttctcttctg 120

cattatattc agattcatca ggatgatctc aaacaaaatg tcctacttca gttgcttgct 180

gttgtagcta agcaaccggc ttttcaccaa ttacgttcgg tcgagcaact tggttacata 240

gcactgctta gacagagaaa tgattcagga gtccgcgggt tgcaatttat aatccagtca 300

accgtgaagg atccatccaa tctggatgcc ag 332

<210> 8550

<211> 258
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047h03b1

<400> 8550

ggaccacttc tctgtttttc acgttgcatt gaagcgtacc aaattccatc gcttacaggt 60

ggtgtatacg cattgatcac atatctgtat ataatgaaac tatttatgtc tagctactaa 120

ccatttggcg gacgcagctt acttattcat aatcatcagg agcctgtcat cagcaggatc 180

cgggggcgaa gccgacggtc ttcttgccaa ggtcgtagag cacgcccgag gtcttctgct 240

gcgtgttccc gatgatgg 258

<210> 8551
<211> 344
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047h04b1

<400> 8551

ccatcgcgtc cgcagagggg ggcagccaag atccaaatct tctgtagcga cttgatccga 60

tctccagccg acgccggcga ccatggctcg ccgtcaccac ctcctcctcc tcctccctct 120

cctcgcgctc gccttctcct tcgtcgccgc cgcccctgag ggacagggag atgccgccgc 180

cttcatcgac ggcgcgtcgc accgctacct gcgggatcag cagggcgacc aggccacgtc 240

gatgtcactt gatgaagttt ccgcagctgt ttctgtcttg cttgggtttg caccacctgc 300

catgcttccc gcgccttctt ctgcaaagtt aaacgagctg ctac 344

<210> 8552
<211> 378
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047h05b1

<400> 8552

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ctagctgatt aagcttatta cgctctgtcc taccagcagc tagcacataa aaatatctcc 120

aagaaagagc ggaaatcgca gcagcagcag cagcagcacc atcgtgctca gcttagtagc 180

agtagcactg ctatctcttt caggctttca gctaagcggg agagctcgct cgctagctga 240

gggagtgccg cgcgccatta atggcggagg cggaagggca gctcgcggcc tgctgggggа 300

agcaggacga cgagtggagg aaaggcccgt ggacaaccca ggaggacaag ctgctcctcg 360

accatgtcgc ccagcacg 378

<210> 8553
<211> 88
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047h06b1

<400> 8553

cccacgctcc cgaaacagat ctgctctctc cctctctttc tctctcgtcc gcggcgatac 60

gatccgagat ggccatgagg gcgtggag 88

<210> 8554
<211> 201
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047h07b1

<400> 8554

gtaaagggtc cacgcgcgca aggtcatcgt gtcgggggac gacgccgcga ggggcctggt 60

ccagctcgtc gacgaccatg gcgttgccga gctcgtcatg ggcgccaccg ctgaccgcgg 120

atacaccagg aagttgcgga cgccgaagtc taagaaggcg gtgacggcgc atcggaaggc 180

caacccctgc tgcaggatct g 201

<210> 8555
<211> 324
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047h08b1

<400> 8555

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gacctgatct cggattcacc gcagcgcgac caaaccctca ggcgatcccc ggcacctcct 120

ccccgacgct tcagccatgg caggaatggc accggaaggt tcccagtttg acgctaagaa 180

ctatgattct aagatgcagg agctgctgaa ccaaggtgag actgaggagt tcttcacctc 240

ttatgatgaa gttcatgaga gctttgatga catgggtctc caagagaacc tcctcagagg 300

aatttatgct tatggttttg agaa 324

<210> 8556
<211> 202
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047h09b1

<400> 8556

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cgatggcgag gacggtggtg gtggccttgc tgctgacgca attctgcgac gtggttctgg 180

cggtgaggct gctggagggg gg 202

<210> 8557
<211> 179
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048a01b1

<400> 8557

tgtctcggct gcaccacatg gcggagttca aggaggaggc ccagctctgg gtcgccgcca 60

acgtggcgcc gttcctcccg gcgaccatga tcacgcacgt cctggcggga gacgacgtcc 120

tgtcaagctc tcccggggcc gcctactcgc tggtccccgc catgctgaac cttcacgcc 179

<210> 8558
<211> 328
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048a02b1

<400> 8558

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gtcaatctct acctcagata caagccgccc atagaggagc tggagcagtt cctggagttc 180

caggtgccgc ggcagtgggc gccggagttc ggcgagctgc cgctggctct cggcccgcag 240

aggaagaaga agaaggacag cctgccgtcg ctccagttca cgctcatggg gcccaagctc 300

cgggtcaaca cggccaaggt ggactccg 328

<210> 8559
<211> 354
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048a03b1

<400> 8559

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cttagaattc ttacaaagtg aacgatctga tgagtctata tttggattat ggggcacgtc 180

gggtgttggc aagacacggc ttctttcact catcgctgat agctttgccg attcatttca 240

tcacgtcata tttcttgatg gtggtagtag cgtcagagtt atgcaaaatc atttcgcata 300

ctttttgaaa ttggattggg agacaatctc attgttggag gagcattacc gagc 354

<210> 8560
<211> 231
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048a05b1

<400> 8560

gaaaaggact tatagtgtcc gatgttcctt atgccgagac atgtccattc agaaatgaag 60

ccatcaagaa taacctagag cttgtgctac ttacaacacc agccacacca gcagagagaa 120

tgaagaaaat cactagcgct tcagaagggt ttgtatacct tgtaagtgtc aatggagtta 180

caggtccacg accaaatgtg aacccgcgtg tcaaagatct tcttaaggag a 231

<210> 8561

<211> 248
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048a06b1

<400> 8561

tttccttgcg tccggtataa tattcacgtg aactgttcaa gccttgcaga tcctcccact 60

gattactacc ttgtctctga atctacacaa ctgggcataa tcatgcctgc ttgtcactcg 120

gtaaacggcc ctctcgagga ctacatctcc cacattgtcg agtggctgtc tcgaccacat 180

gtgctggcca taataatagc atgggctgtg acctttaccg ctgattgctc tttgatcctt 240

tgcttggg 248

<210> 8562
<211> 179
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048a07b1

<400> 8562

ttgcacgcgt ccggacgtgg tggagttcag gcgggtcgtg gaggaggaga aggcgtgcct 60

tgatgccgcg gggtcgtggt atgggccctc ggcggccggc cttggccggc tggccgcgga 120

gagccggacg ccggccatgg tcgccgcgct atacgggagc acggccgtgc tggcgcacg 179

<210> 8563
<211> 134
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048a09b1

<400> 8563

ttcgtctggc accgcacgac agacagcacg aggaaggcga gccaaccacc accgccgcga 60

gactagcacc acgagcgagc tcggccgatt ccgattccgt ctgcgctatt aaggtttgtt 120

tggaggaagg ggag 134

<210> 8564
<211> 219
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048a10b1

<400> 8564

tttcccacgc gtccgtgcag cctcatgcct atgtggaaac ggcagctggt aggaagccgc 60

ttgttggcgt ccatggcgcc ctaggacata aggtgctcag gtggttcatg gacgaccata 120

aatgcgacac tgttaaaatc atctccatgg ttggacccgt tggggtgggg aagacagcta 180

ttgccatgga ggtctaccgc agactccaaa gtagaggag 219

<210> 8565
<211> 194
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048a12b1

<400> 8565

tgtggagcag gagcaagaag aacctgggca gcaggagcag gaccgagatg aacggcatgt 60

acccttctca gcgtttcagc aacgtgatag tcggctacct caacctggtc acgctactgg 120

cctccatccc gggcatcggg gcggggactt tgctggccaa gggcttcacg acgacatgct 180

gctccatgct gcag 194

<210> 8566
<211> 144
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048b01b1

<400> 8566

tgccctcgcg tccgcccacg cgtccgccca cgcgtccgtc cttctggccc acacgcacga 60

accaaccggc gcgaccgaat caaaccgcgc aaccgtgcgc gcgactcctc gtgggggccg 120

ggcgggcgcg atgcccctgg acgg 144

<210> 8567
<211> 451
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048b04b1

<400> 8567

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gtcagcccaa acatggactc aagcaggcgc ccgagtggaa tccagcaatt gcttgctgca 120

gagcaagaag ctcagcaaat tgtaaatgct gctagggctg ctaaaacggc gaggcttagg 180

caagccaaag aagaggctga gagagaaata gctgagtacc gtgcacaaat ggaggctgat 240

ttccagagga agctcaccga gaccagcggt gactctggcg caaacgtcaa acgccttgag 300

caagagacaa acgtaaagat tgagcagctc aagcagcagg cagcaaacat ctctccagag 360

gtgattcaga tgcttctgag gcacgtcacc actgtgaaga actaaaggtt gatgagtcag 420

ccctgcatat gatggcaact ttgtactatc t 451

<210> 8568
<211> 290
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048b05b1

<400> 8568

ttcccacgcg tccggagaag gtctggagag agaggatttc attgcaaaac aaaaagatgg 60

cagcaattga agacgactcg tgcaggaggg cgggctcgat accgttcaag tgggaggtct 120

gtcctgggac gccgaagcac acgaggagcg cgagcgccgc ggcggcggtg gcggcatcgc 180

ctgccaaggt ggcgcccaag ctgacgctga cgccgcctcc ctccatggcg tcctcgccat 240

cgccgtatta ccaccactcg gcgggcttcg tcgcctcgtg tcacctccgc 290

<210> 8569
<211> 358
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048b06b1

<400> 8569

tctcttatct gaccggtcgc gccaaaccga gctctagcat cagctcgtcg gagttcgcac 60

cggtcgactc agaactcttc accaatggcc gccgtccagg tccaagccgc aacccacgcc 120

attcccgtcg aggaggctcc ggcgccggcg gcggtggagg ctgtcgagac ggccgcggtg 180

gcggtggagg ctgtcgagcc ggccgtcgtc gttgtcgagg agactacggt ggcagcggtg 240

gagattgtcg agccggctgt cgccacagtc gaggtggcag cggtggaggc tgtcgagccg 300

gccgttgtcg ctccccagga ggccgtgaag gaggaagctg ctgcaccggc cgtgaccg 358

<210> 8570
<211> 369
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048b07b1

<400> 8570

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tatcagcaac aaagatgaag attggaaaga ctacagagat cctgaagaaa gcggcggcga 180

tgtgcaagag caagaccacc aggctcctca tcctcgcctc gctccagcgt cgcaggatgg 240

ccgctgccgc cgtggtctct cacaagatcc acacgcgcat tgtggctgac cgaaatagag 300

tggactgcca caagcctctc gcgctgcgaa ccatcgagaa gagaccggtg atcgtccatg 360

ggggtgact 369

<210> 8571
<211> 380
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048b09b1

<400> 8571

ttaaaaaata tttttcttgg gaggagtgca tcaatctccg tgaagttaag tccctccgaa 60

ggatgaacca tccaaacatt gtgaagctca aggaggtcat aagagagaat gatatgctgt 120

tctttgtttt tgaatacatg gaatgcaatc tctatcagct gatgaagagc aagggcaagc 180

ctttttcgga gactgaaatc cggaactggt gctttcaaat atttcaagct cttagtcaca 240

tgcatcaacg tggatacttt catcgtgacc ttaagcctga aaatctgcta gttacaaagg 300

agctcatcaa ggtagctgat tttgggcttg ctcgtgagat tatttctgaa ccaccataca 360

cagaatatgt gtcaactcgc 380

<210> 8572
<211> 167
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048b10b1

<400> 8572

ttcgtctgcg gacgcgtgga caaacccaac caagcacata gtaacatcga ccgatcggca 60

tggcgcactt ccaggaggtg gactactgct cggaggaggt gagggcggag ggcaacccgg 120

cccgccgcgg cggcggcgtg caggagcaca tcgtcaagga gacgttc 167

<210> 8573
<211> 394
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048b11b1

<400> 8573

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actctgttta gaacagatga caatctgatc cggtcctctt tcaagcctcc aactgctgcg 120

tgcgttggac tctatcaggt tgtgatcttc ggaaaagtag ctaccaaatc tgatcttagg 180

tgtatggaga aattattaca cctgaggtac ctagggctac tagatacacg ggttgatgct 240

ctccccattg aaataggaaa acttcaatct ttgcaaacat tggacttcag gacaagtaaa 300

tctttggagg caccatcaag tgttgttcgg ctaggaaagc tgatgtgcct atatgttaat 360

gagaacatga ggttaccggt tgtgatagac aact 394

<210> 8574
<211> 84
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048b12b1

<400> 8574

tgcccacgcg tccgataaag ataaaaaaaa gaaaaaataa aacaaaagaa aaaaaaaaag 60

aaaaaagaaa aaaaaagggg cgcc 84

<210> 8575
<211> 230
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048c02b1

<400> 8575

tggcttatcg ggacagtgca gagcttccct gtagagaagt ttaggagcaa cgatgaagag 60

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ggccaacgcc gagttcccaa agtgctgcga cagctgcagg ttcttctcgg gggccgtggt 180

ctgcgacgac tcctgcccca agtgccgcga cggctgcgtg aactgccgcg 230

<210> 8576
<211> 340
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048c03b1

<400> 8576

tcccacgcgt ccgaccaaac caaagctgcg gcggcgcgcg cataggaggc gaatcagcag 60

cggaaccaag ccgccgacgc caccatgggt atctcgcgtg actccatgca caagcgccgg 120

gccaccggtg ggaagcagaa ggcttggagg aagaagcgaa agtatgagct cggccgccag 180

ccagccaaca ctaagctttc aagcaacaag acagtgagga gggtccgtgt tcgcggaggt 240

aacgtgaagt ggagggctct ccgtcttgac actggtaact tctcatgggg tagtgaggct 300

gtgacccgca agacccgtct ctggatgtgg tttacaattc 340

<210> 8577
<211> 231
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048c04b1

<400> 8577

tccctgacca agagagagat ccaggacttg gccggccggc cgtagatcga gaaggaggag 60

gagacatggt gcgcgggaag ctggaggtgc tgctcgtcta cgccaagggc ctcgacgact 120

ccgatttctt caatagcatg gacccgtacg tgatcctcac ctgccgcagc cacgagcaga 180

aaagcaccgt cgcatcagga gcagggagcg agcctgagtg gaacgagacc t 231

<210> 8578
<211> 372
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048c05b1

<400> 8578

tgtctgcacc agttgctctg gagcatcact caaagggcat gcctataaga ccaggtgaag 60

ttgattgctc attttatatt aagacgggca gctgcatgta tggtagaaca tgtcggttca 120

accatcctgg acgacatatt caagcatctg ttgtccctgg cgagatgcta aatccagctg 180

cgaaattcct gccgagtttt gattttcgcg tgacacatgt gccgattgaa cctgagccaa 240

tcacctaccc tcagaggcct ggagaaactg tttgtgattt gatcgctctg cacctgattc 300

cattgcaaag tgggagccgt ctcagcaacc tgtgacgctt actgttgctg gctttccaag 360

gagagaggat gc 372

<210> 8579
<211> 89
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048c06b1

<400> 8579

tcgaatgggc tctcgacttg ctcccagagc cggagccgac ccgagccgag acctgcctct 60

cctgctgccc gaacacccat ggggtcggg 89

<210> 8580
<211> 52
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048c08b1

<400> 8580

ttcccacgcg tccgggggat ttgaggtttc aagggaattg gatggaagag gg 52

<210> 8581
<211> 162
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048c09b1

<400> 8581

tttcccacgc gtccgatata ctagcattga ttgccgagaa gatcttgccc atcgccattt 60

gccactaata ccatcgctcc atcgccaact ccgctagcct gctaaggaga ctcaatgccg 120

tccctggcga aagctgcggc gtccatggat cacgcggtgg ag 162

<210> 8582
<211> 317
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048c10b1

<400> 8582

cggacgcgtg ggttccgata cgcctctcca gggcgcgatt ttttccgtcc cctctggcgc 60

acccatggct tctccgtatc tccttcaccg tctcaccgcc gacgagatct tccaaactct 120

agaggcttcc tcctccacgt cctcctcatg ctacgatgcc ttcgtgccgg tgttccgccc 180

agatccctcg gcctcctccc tatccgtgtc ggcggccgac cgcgtccgga gccagttcct 240

ctccgtggag cgcgacctct tccacgacgc actcgtcgcg cccaggaatg acgacctcgg 300

cttccccgag gagaacg 317

<210> 8583
<211> 158
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048c11b1

<400> 8583

tgcggacgcg tgggagagta cgtatgtaga ctgtttaatc atttttaatg ttctttttat 60

tgttaatctc tttctttctt tcttggcgag ttctttcatg gcttatggct tgtattcgtt 120

ttgtacgatc tgcatgatga ataaagtttt tccttact 158

<210> 8584
<211> 140
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048c12b1

<400> 8584

tgcggacgcg tggggtggtg ctcttgggag gcccatatta caaggcctcg gtcagtgctc 60

ttgatgcaac ttgatggatc ccatgactat gttgattgct tcatatctga tgccggcagt 120

atttacaaaa ccaagattga 140

<210> 8585
<211> 162
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048d01b1

<400> 8585

tgctaggtcg aagacaagat agtctccgtg ctcatccatc atcttccatg gcgccgctgc 60

acttcctggt cgtcgcgttc ccgggccagg gccacatcaa cccggcgcgc gctctggctg 120

agcgcctcgc gcgggccacg ccgggcgcgc gggtcacgct ct 162

<210> 8586
<211> 270
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048d02b1

<400> 8586

tgccctcgcg tccggccaga cctggaggag cattactgcg ggatgtacgt gggcaatggc 60

tacgcgaagc gtgcgtacat gctaggcccc gtgtcactac gaccgccgtc gtcaccggaa 120

gccgacgact cacggtacac cgactggctt gactcgaagc caagccggtc ggtggtgtac 180

gtgtgcttcg gcagcctcgc ccacgtctcc gacgctcagc tggacgagct cgctctcggg 240

cttgaggcct cagggatggc gttcctgtgg 270

<210> 8587
<211> 314
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048d03b1

<400> 8587

tttgtgtcaa catgcagatt gacccggcga aatacaagag catctcatct ggatttggtg 60

ttctgttaaa ggagcaagga gctaggggat tcttcagggg atgggtgcct accttgcttg 120

gttacagtgc tcaggggget tgcaagtttg ggttctacga gttctttaag aagacctact 180

cagatatggc tgggcctgag aatgctgtga agtacaagac cctgatttac cttgcagggt 240

cagcttctgc tgaggtaatt gctgatatcg ctctgtgccc ctttgaagct gtcaaggtcc 300

gcgtgcagac acag 314

<210> 8588
<211> 338
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048d06b1

<400> 8588

tttaagtgat atgaggtact cagacctgaa gaagatcgac cgctgtgaca ggaggcactt 60

tcatgacgat attactgttg tagtactatt catggaccct gcgcttatca gcaggaggct 120

ctacggtggg ccgttgcttt cgctaagggg cggtggtggt acctcgacgt ttgcacagaa 180

atgctgatca tccatgacag atgctttctg gaaatatcct cctatatatc gttcatatct 240

tggcctggtg ctctccacac gacatgcaga cactgcgtat agcggtgcgt ggaggagccg 300

tattgttttg acttctaata tgcacagata gagagaga 338

<210> 8589
<211> 63
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048d07b1

<400> 8589

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ggc 63

<210> 8590
<211> 216
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048d08b1

<400> 8590

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ctgcgctgcg gctaccctcc aagcaagctg cccatggcga ccaaaaccct agccctacga 120

tgtccggctc aggcgggccc tcaggccgcg gctcagcagg cggcactcgg agcttcgact 180

tcggcaccga cgacgtgctc tgttcctacg acgact 216

<210> 8591
<211> 346
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048d09b1

<400> 8591

agccgtcctc cgcctccccg tgtcgctcgc tcccacctct cgccgccgcc gtcgtcgccc 60

gcgcagccgc aaaatgccgt tcaagaggtt cgtggagatc gggcgggtgg ccctggtgaa 120

ctacggcaag gactactggc gcctcgtcgt catcgtcgac gttgttgacc agaacagggc 180

acttgttgat gctccggaca tggtccgctg ccagatgaac ttcaagcggc tctctctgac 240

cgacatcaag attgacatca agcggatccc taagaaggca actttgatca aagcaatgga 300

ggaagctgat gtgatgacca agtgggaaaa cagctcatgg ggcaag 346

<210> 8592
<211> 409
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048d10b1

<400> 8592

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tcaccacggc caccatggcc agaaccccccc ggcccacgct ccggccgccg ccggaggcaa 120

ccagcccacc ttcaagatct tctgcaaggc cgacgagggc tactgcctct ccgtccgtga 180

cggcaacgtc gtcctcgccc cgtccaaccc ccgtgacgag caccagcact ggttcaagga 240

catgcgcttc agcgcccaga tcaaggacga ggagggtaac cccgccttcg ccatcgtcaa 300

caaggccact ggcctcgccg tcaagcactc gctcggccag tcccacccgg tgaagctcgt 360

gccattcaac ccggagtacc tcgacgagtc cgtgatgtgg acggagagc 409

<210> 8593
<211> 227
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048d11b1

<400> 8593

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gccgccggga gctgccggga cgtgaacacc tccatttatg ccatagcttt ggcaggcgcc 180

gtcctggtct atgtggtgat ccatatcgtc ttcttcacgc tggacca 227

<210> 8594
<211> 136
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048e01b1

<400> 8594

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cggagaccgt gtcatggcga tggagggcta cgaccgcgag ttctggcagt tcggcgacca 120

gctgcgcctc cagacg 136

<210> 8595
<211> 164
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189048e02b1

<400> 8595

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cagacgcggg cggggagctc gaggcggcct gcgggacagc agcatcggcg gcggcgagtc 120

ggggcagggc cagcagcgat ggggttcgtc tccttcgtcg ggag 164

<210> 8596
<211> 335
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048e03b1

<400> 8596

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gatcgagcga gcaatggctc ccatgctcaa ggggatcgtg gaggacgcgc cgaagagggc 120

ggcgtacgtg accttcctcg ccggctccgg cgactactgg aagggcgtgg tgggcctggc 180

caagggcctc cgcgccgtca actccgccta cccactcgtg gtggccgtgc tccccgacgt 240

ccccgaggac caccgccgca agctgctcgc ccagggctgc ctcgtccgcg agatcgtgcc 300

cgtgtacccg ccggagagcc agacccagtt cgcca 335

<210> 8597
<211> 313
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048e04b1

<400> 8597

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acatgcacca agaccaacat ggtcatggtt tttggtgaga tcaccaccaa ggccactgtt 120

gactatgaga agattgtgcg tgacacctgc cgcaacattg gcttcatctc tgatgatgtt 180

ggccttgatg ctgaccggtg caaggtgctt gtcaacatag agcagcagtc tcctgacatt 240

gcccagggtg tgcacggaca ttttaccaag cgccctgagg atattggtgc ttgtgaccag 300

ggtatcatgt ttg 313

<210> 8598
<211> 351
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048e06b1

<400> 8598

gcttgcggtg cccttgtgag ccacactaga tgcctgttgt agtagacctc atctcaggac 60

tgctgcgaga tctccataca catgagccag gctagccata ctccggaccc cacaatggct 120

acggtcccga tcggatcaag catcctaagg actcccaaga gtaatccagg caagacattc 180

acaagtagaa acaggcttga aactccaaaa acatcttata acagaacaaa ccgcgctgag 240

ccgccctcag tgacacctgt gaacaagagt gctcgactgg ctcgaagagt atccctcccg 300

ctgtcgacat acgaaacgcc catcaagcgc agcatcagca ttcttgacca g 351

<210> 8599
<211> 296
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048e07b1

<400> 8599

tgacgaatgt ctcatcaaga ggacgctgga tacaaatgtg gattttgact gtggcctgac 60

tgacagagcg attggatacc ctacagaaat cgtacctgtg ttatttgcat tacctcgcat 120

ggctggttgg ctagcacatt gctaggagcg acttgatgac cctgtccata aaatgatgag 180

gcctcaacag gtatacgcgg gcggttggct gaggcattac acccccgtga gggaacgagt 240

ggcatctaac cagggcgagg aacttggtca gatcgctaca tcgaacgcaa cgaggc 296

<210> 8600
<211> 147
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048e08b1

<400> 8600

tcgctcgcaa cacggatggc ctagacgact ccaaagagtt tgttgcagca actgtccaca 60

tacatcagat ggctgagctg gactctgaaa ggtggggcct gcgctgccaa gctgctttaa 120

gcaaattcga tctggatggt gatggat 147

<210> 8601
<211> 376
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048e09b1

<400> 8601

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ctcggtgacg cgctgacggc gaggaacgat gccgacaacc tcaccgagct catcccgtcg 120

ctgcccgtcg agaagcggct agtgccgccg cccgccgaca tgcagaggcg acagcaccgt 180

gggtactggt tccccgagtg gcacctgtcg gccctggcgg cagtccgcga tcacttcgag 240

cccaagccaa cggacatctt cctcgtgagc tgccccaagt ctggcaccac atggcttaaa 300

tctctagcct tcgccactgt gcaccggcac gtccacccgt catccagcca ggagcaccct 360

ctgctccacc aaaacc 376

<210> 8602
<211> 52
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048e10b1

<400> 8602

tgggccgccg aggctcctgg cggggttgat gccggtgccg gtgatgggga tg 52

<210> 8603
<211> 261
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048e11b1

<400> 8603

ttcggacgcg tgggttatca ttcctgcaac caacaccgga tcaactagca gaggcactgc 60

gagctcgcca ggcttccaga gcgtacaggg tggccgatcg atcgatccac cggcaagcaa 120

tggcggcgac agggagcgct aagggcctcc ggttcgctgc agcgtgcggc gtcctcagcc 180

gctgcatcaa ggcggcggac gcgcggccgg cgcccacggt cgttctcccc ctcatgcccg 240

gagcggaagt gcccgcgcaa g 261

<210> 8604
<211> 227
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048e12b1

<400> 8604

tgcatggacc tcttgaggaa gcgcatggag ccagaggaga agtgcctgag ggatgccaag 60

atggacaaga gcactatcca tgatgttgtg cttgctggcg gtcccaccag aatccccata 120

gttcatcagc tgctgcagga cttcttcaac gggaaggagc tctgcaagag catcaaccct 180

gatgaagctg tggcctacgg tgctgccgct caggctgcaa tcctcag 227

<210> 8605
<211> 189
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048f01b1

<400> 8605

ggagcctgac acgagggccc tcaactaatt gcgagtggat tgatggctca cgggtgaact 60

ctgaagtgga gcctaaactg aggagtctcc tactcgagat gggaagcgac aaaattttgg 120

gactacaagt atgtgcatac aaagacggaa aggtcataat agacaccgct gctggtacat 180

tagggaaat 189

<210> 8606
<211> 314
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048f02b1

<400> 8606

ccttcaactc ccctccccac cttctccctc cgcctcgcct tctctcgacg gtcgacgcta 60

tagcttttcc caaagtgcac gcgccatggc gagatcacga gacaccaggc tcaggctcag 120

gctcacgctc ctcctcgtca cccttcttct gctagtagac atggcaagcg tcagccatgg 180

ccgacggaca ccggacgtgg atgccatggc cctcgtcggt ggcggtccac caccggcgaa 240

ggcctactcc tccgagcagt cgtcttcgtc gacttcaagg gagcatacgg ctcgtgttta 300

tcggcgcatg caca 314

<210> 8607
<211> 216
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048f04b1

<400> 8607

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gatggatcag ctgatccacg acgccgtcgc tgctcacgac cacatgggga tcggccccgt 180

gctccggcag tgccgtgagc tcttcgaggg gcttga 216

<210> 8608
<211> 240
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048f08b1

<400> 8608

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aatggcagtg acggtggaga tcacgcagag aacggtgctc gagccctcac gggactcggc 120

ccgcggcggc ggcaagaagg tccctctcac cgtcttcgac cgcgcctcca cggacggcta 180

catcccggcc gtcttcgcgt ggaacgcacc ggcgccgacc aacgacgcgc tcaaggccgg 240

<210> 8609
<211> 147
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048f09b1

<400> 8609

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gtactgtttt tagataacat ggaaaataac attttatgta ccaagcaata ttgctttgct 120

gtcacaaatt aaagatcatt tcacgtt 147

<210> 8610
<211> 75
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048f10b1

<400> 8610

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cttccgaccg gatcg 75

<210> 8611
<211> 305
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048f11b1

<400> 8611

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gacgccccag gaggtgttcg acgcgctcag ggcgcagacc acggacctcg tcttcaccgt 180

gcaccccacc cagtccatcc ggcggtcgct cctggagaag cacgccagca tccggacgtg 240

cctcacgcag ctgtgcgtgg agggcgtgtc cgagaacgag aagcaggaga tcgacgaggc 300

cctgc 305

<210> 8612
<211> 124
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048f12b1

<400> 8612

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atctttggaa atgaaactga ggcaaggatc ttctctaaag tccgagggtg ggagactgag 120

aatg 124

<210> 8613
<211> 136
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048g01b1

<400> 8613

aagcagagcc tcccctggcc actgttacgc tccaagctcg ctaggcttcg agagcgtaca 60

gggcgaccga tcgatcgagc gagcgagcga gcggctagca cggcggcgac agggagcgct 120

aagagccgac ggttcg 136

<210> 8614
<211> 217
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048g03b1

<400> 8614

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tgggaagagc ttaaaatccc cagcagtatt cgatcaatta tctgtctcaa tttgccaagt 120

ttctcgggag gattcaatcc ctggggaact cctggcacaa ggaagaaaca agacagagac 180

ctgactgcgc cttatgttga tgatggactc attgagg 217

<210> 8615
<211> 380
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048g05b1

<400> 8615

ggatcaggct atgcgtgagg cacttggctt agctcccaag cgtagcagtc gaccaaaagg 60

caatcgttta gataagcatg aatatgctga gctaataaag aggggatcta ccgcagagga 120

tttgggagcc ggccatgctg aagcagcaca agtgcaagga ttaggtttat acaaggctcc 180

tcacaacgag gaagaaccaa gctctcttag tcctgaccct cctggaacgg agcctgagca 240

gattgacttt gcacctgcaa cgaagcagga agattctgaa gatgatggaa ggggaaaagg 300

cggcgcgaag acaggagagg ggacagagaa aaagagcgga ggcgtgataa gcactatgag 360

ggaaaagaga ggaagcgaga 380

<210> 8616
<211> 267
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048g06b1

<400> 8616

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cggccatggc ggaggagaag caccaccacc acctgttcca ccacaaggag ggcgaggact 120

tccagcccgc cgctgacggc ggcgtcgaca cgtacgggta ctcgaccgag acggtggtga 180

ccgccaccgg caacgagggg gagtacgagc ggatcaccaa ggaggagaag caccacaagc 240

acaaggagca cctcggcgag atgggcg 267

<210> 8617
<211> 305
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048g07b1

<400> 8617

aaaccgagga aagagagaga cggacaggat atactcgctg ctctgccgcc cccttcgcct 60

ttagttgatc tcgccatggc tgccaccgtc gccgtggaca acctgaaccc caaggtttta 120

aaatgtgagt atgctgtgcg tggagagatt gtcatccatg ctcagcgctt gcagcaacag 180

ctgcaaactc aaccaggatc tctacctttt gatgagatcc tctattgtaa cattgggaac 240

ccacaatctc ttggtcagca accagttaca ttcttcaggg aggttcttgc actttgtgat 300

catcc 305

<210> 8618
<211> 288
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048g10b1

<400> 8618

tgcccacgcg tccgcccacg cgtccggcca gctgtcagaa aaaataggca atctgaaatc 60

cctctcattc ctatcacttg ttaacaacaa tcttacaaat atcacaagta cacttccgat 120

acttgcaaga tccaagagtc tcaccaccct tcttattggg ctcaacttca tgaatgagac 180

catgccagac gatgacatca ttgtcagttt tgagaatctt caggttctag caataacaga 240

ttgctcactg ttggggaaag taccacattg gttatcaaag ctgacaaa 288

<210> 8619
<211> 75
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048h02b1

<400> 8619

gctctctcat gtctatacgg ctatcttgaa gccggataac gaggtcagaa ttctggtcga 60

cggggaggag aagag 75

<210> 8620
<211> 352
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048h04b1

<400> 8620

ttataatgta tatcaaaggt tatgggtgaa agaggctgca acgtgtcacc gcagcagtgc 60

gaggataagt tcaatgacct caacaagaga tacaaaaggc ttacggatat ccttggtcgt 120

ggtactgctt gcaatgttgt ggataatcca gcactccttg attgcatgaa taatctgtct 180

gataagatga aagaagatgc aaggaagata ttgaactcta agcatttatt ctatgagatg 240

atgtgttcct atcataacaa caaccgtgtg aatttacccg aagatcctgc acttcagcac 300

tcactacagg ttgctcttag atgtaaagag gagcatgatc cgaggaggga tg 352

<210> 8621
<211> 408
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048h05b1

<400> 8621

tattgatttc agccacaaga acaagcttgg ccctatagag agcctgaaga actatcccag 60

acaaaacggg ccaaagctta caatgcagaa catgcatgag gcaaaggggg ccaacacaga 120

aattagcacc catgggaata acgaggcccc aggtgtcgga accgttagta gcagtctgca 180

gaatgccgtg gcacaaaata actaccagag tatgctgaga agctcaagtg caaaccaggg 240

tttgcttcag caggaggcgt cacagaatgc cgcagcacta aacaattacc agagtatgct 300

tagaagctca agcgcaaacc agggtttgct tcagcaggag gcgtcccaga atgccgcagc 360

actaaacaat taccagaaca tgcttagaag ctcaagcgca aaccagct 408

<210> 8622
<211> 256
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048h08b1

<400> 8622

gcaaggggaa tttctgcctt ctaatacttt gcttgcagga tgattcccct tacaaggctc 60

tgggcgactc cgacacacac tgccattttg ccacaaccct acagatacca taacaggacg 120

gataattcat tgggaccagg tggagatctt caggtgtatc tagagaacct tgctgctgca 180

gatgatgttc agcgttatgt acaggagcac ccttttggtc aacctttcat tactgagagt 240

gatccgaatt gggatt 256

<210> 8623
<211> 270
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048h09b1

<400> 8623

ctccagcacc cgatcaagca gagcctcccc tccccactgt gacgctccaa gctcgttagg 60

cttcgagagc gtacagggcg accgatcgat cgagcgagcg agcgagcggc tagaatggcg 120

gcgacaggga gcgctaagag ccgacggttc gccgcagcgt gcggcgttct cagccgctgc 180

atcaaggcgg cggaggcgcg gctggtggct ctccccctca tgcccggagc ggaagtgccc 240

gcgctgcaag acgagcacgc ggtgggtcct 270

<210> 8624
<211> 149
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048h10b1

<400> 8624

tgctgccatc caaacagccc ccaaatgcgc gcgcctctca catgccagac cgctgctgag 60

cctggccgac atggccaccg cctcgatcgc cgtccgctcg gccttcggtg tcgccctggc 120

cgccttgatc gcggagcgtg ccccccggc 149

<210> 8625
<211> 334
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048h11b1

<400> 8625

ttgccggccc aagaagcgtg ggcgcgagcg taagcgctga cgaggagttc tcccccaatc 60

cctggttccc ctgcgcccta cacgttctcg cccacgttgc cgccgccagc tcctcccccc 120

ttcgccggag ctcctttctc cggcagtaga gatggtgaaa ggcgcagtcc gctatgagcc 180

tggaccggcg tttcaggaga gtggagagca gggcaagctt gaaataccag catctggctc 240

cacagaattt tggctaatac agcggcctgt aaaccatgta aatgcttctg attttaatgg 300

tcaagaagtt tctcttaata agcatcatga cgat 334

<210> 8626
<211> 136
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048h12b1

<400> 8626

ttcgtctgtc cgaacaatgt tcgccctccg caaaaccctg ctccacggac gccttcccgc 60

gccgtcggcc accgccgtct gcaggatctc ctccttcctc cgctccctct gcacatctcc 120

ggggggcgag ggggtc 136

<210> 8627
<211> 136
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049a01b1

<400> 8627

tcacgcgtcc ggcaactacc ccggctgaag ctccttctgc tggtggtgtc agctactctg 60

atgctggagg tgctggcact ggcggaggag gaggcgacgg tggaagtgga ggtggtaatg 120

gagctggagg tggaca 136

<210> 8628
<211> 205
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049a02b1

<400> 8628

tttacgcgtc cgcccacgcg tccgcttcga gcgcctcctc ctgtctcgcc ctcgcccccc 60

gtcccctcgt cggcgcccga tctaagtcaa gatgagtcgt ggcgggagtg ctggtggtgg 120

tcaaagttct ctgggttacc tgtttggaga tggtgagcct gcaaagcccg ctgcagcacc 180

agctgcgaag cccgcacctg ctgag 205

<210> 8629
<211> 302
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049a05b1

<400> 8629

taaccacatc gccggctgac ccatctctct ccctatctct ctgtctctct ctctctccca 60

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cgaggcgttt cgagggagcg agcgagcgat ttttagtatc tgcgaatggc gactcagcgg 180

ttctccaata tggtgatgga cgagccgagt ttcttccacc agtggcagtc ggacgcgacg 240

ctggagcagt acacggagca gcagatcgcc gtggccttcg ggcaggggga gatggaggcg 300

gc 302

<210> 8630
<211> 171
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049a06b1

<400> 8630

tgctgctgct ggtgtcgctg gcggcggcgg cggacatgtc gatcgtgtcg tacggggagc 60

ggcgcgagga ggaggtgcgg cggatgtacg ccgagtggat gtccgagcac cgcaggacgt 120

acaacgccat cggcgaggag gagcgccgct tcgaggtctt cagggacaac c 171

<210> 8631
<211> 310
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049a07b1

<400> 8631

tcggacccca aggtgctcac ggcgttcgcc aacacgggcg tggagttcat catctccgtg 60

ggcaatgaga acctgcagac catggccagc agccccggcg cggcgcggca gtgggtcgcg 120

cagcacgtgc agcccttcat cccggccaca cgcatcaccg gcatcatcgt cggcaacgag 180

gtgctgggca acaacgacac caccatggcg gccagcctcg tgccggccat gcaggcggtc 240

tacgacgcgc tcgccgcgct cgggctcagc ggccaggtga cggtctcgtc ggcgcactcg 300

gtgaacgtgc 310

<210> 8632
<211> 386

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049a08b1

<400> 8632

tttaagacag gaagtacccg agaaatccaa ggattctcct ggtggaccat ggcaattcat 60

tggtctgttg cccctgtttg atcccccaag gcatgacagt gctgagacca tccgcaaggc 120

acttgttctt ggtgtcaacg tcaagatgat cacaggtgac caacttgcta ttggaaagga 180

gactggtagg aggcttggga tgggcacaaa catgtatcct tcttctgcat tgcttggcca 240

aagcaaggat ggttcacttg agtcacttcc tgttgatgag ctgattgaga aggctgatgg 300

atttgccgga gtcttccctg agcacaagta tgagattgtg aagaggctgc aagagaagaa 360

gcacattgtt ggtatgactg gagatg 386

<210> 8633
<211> 434
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189049a09b1

<400> 8633

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aagtttatgg attcaatcac gttcaacgaa cacaattcct acagacactc atgaggtatg 120

gttttcagaa ctatgattgg aaagagtatc ttcctcgttt gaaggggaaa agtgtcgagg 180

aaattcagag atatggtgag cttgtcatgg cccatcttgt agaggacaca aatgactcac 240

caacctatgc agatggtgtg ccgaaggaaa tgcgtgctga tgagacattg gtcaggctag 300

ccaaaatatc acttgtggag gagaaggtgg ctgccatgga gcaaggaaaa attacaaaac 360

tcttccccaa ctacttgttg catgaatnta ctggcttatc aggtggaaga atatggaaag 420

gggaacatga tcta 434

<210> 8634
<211> 276
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049a10b1

<400> 8634

tagtgggcca gtaatagcgt ctactatctt ttaagtctct ggtcaaggct ggtgacatct 60

gtgccttact tgaaaggcga tacaccaagt ctgcttgatg aaactgtacc caaaattacg 120

gagggtttta tcacttctag aattaattct gtccaggcca gctttgcgga caactcacca 180

gacccagata atccgttaga aaatgcggaa agtctccagg atcagctgga gagtcttcct 240

tatctttgca gattcaagta tgaaagctgt agcctc 276

<210> 8635
<211> 345
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049a12b1

<400> 8635

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caccggcatg gcagtcgtta caatcgtgtt tgctgctctg ggttttctct cacctgcttc 120

caggggaatg ctcttgaccg gaatgatcat cctctacctc ttccttggaa ttattgctgg 180

atatgttggt gtccgtctct ggaggaccat caaacaatcc acagaaggct ggaaatctgt 240

cgcttggctg acctcctgct tcttccctgg cattgttttc atcatcttga ccgtgctgaa 300

ctccatcctg tggggtaaga agagcactgg agctttaccc atttc 345

<210> 8636
<211> 369
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049b01b1

<400> 8636

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ctaccgcaaa accctcctcc ccgtgctcct cctgctcgcc gccgcggcgc tctacccagc 120

cgccgccgac ggcgacgagg tgctcgccct cacggagtcc accttcgaga aggaggtcgg 180

ccaggatcgt ggcgcgctcg tcgagttcta cgctccctgg tgtggccact gcaagaagct 240

tgctccagaa tatgagaagc ttgctgcaag ctttaaaaaa gctaaatcag tcttgattgc 300

caaggctgac tgcgatgagc acaagagtgt gtgcagcaag tatggagttt ctggctaccc 360

cacaatcca 369

<210> 8637
<211> 278
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049b02b1

<400> 8637

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agctgctggg gtggtgggcg cccggggtga gtccctacgt gctgcgcgcc cagatggcgc 120

tcgccgtaaa ggggctgagc tacgactacc tccccgagga ccgctggtcc acgagcgacc 180

tcctcatcgc gtccaacccc gtgtacaaga aggtgcccgt cctcattcac aacggcaggc 240

ccgtctgcga gtcgctgctc atcctggagt acctcgac 278

<210> 8638
<211> 335
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049b03b1

<400> 8638

ttgaacgccc ttgccaaggc attggctggt caaaaggatg aggcttactt ctctgcaaat 60

gctgctgctc tggcctcaag aaggtcgtca ccacgtgtca caaatgagga ggtccagaag 120

gctgccaccg ccctcaaggg ctctgatcac cgccgtgcta ccaccgttag cgctaggttg 180

gatgcgcagc aaaagaagct caaccttccg atccttccca cgaccaccat tggttcattc 240

ccacagacag tggagctcag gagagtccgc cgtgagtaca aggcaaagaa gatctctgag 300

gaggagtaca ccaatgccat caaggaggag attag 335

<210> 8639
<211> 353
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049b04b1

<400> 8639

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acttacaagc aagatgcagg agcatgcaaa cttagtccat gaaaaagatc agttggagca 120

acaattgctg gaagttagga aggaactgga ggctgcttac cgtaccatcg ctaaccagga 180

agagcaagct tcagtgaggg agataaagtg ggatgcgttt aagacgtatt cagcggatca 240

actagaagct gcacaaaaac acgctgcaga gctggaagta caagtatcag ctctaaatca 300

gcagctgcaa gaagctgaga tccattacaa gaaaaaggtt gcaaaggaga gtg 353

<210> 8640
<211> 321
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049b06b1

<400> 8640

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cgtcattagt ttgaagactg atggattatg ataactctag aagacacaat caaagtactt 120

ccaaaaagag gactcgtttc aattctgatg atggaaagag gaaacggcta aactacaggc 180

aggatggcgg acatatgtcc tctcagccaa tagaaaccgt ttacaggata ttgtgcccag 240

gaaaaaagat cggcggtgtc ttggggagag gtggccatgt tgctaaggcc cttagagacg 300

agactaaagc aaagatacgg g 321

<210> 8641
<211> 275
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049b07b1

<400> 8641

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ttgactgtcc ctagttcccc ttcatcacct gtcaatggtg gctcagttaa ggtagtgcag 120

atgacaccag tgacttctgc catgacaact gctaagtggc ttcgtggggt gatatcttcg 180

ctgccagaga agccttcgtc taaacttgag aaatttcttt cgtcttgtga tacagatttg 240

acaagtgatg taacaaaaag gggcagcata atttt 275

<210> 8642
<211> 458
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049b08b1

<400> 8642

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cgccttcgtt ctttttcttc ctgctctcat ctgcctgtct gcatctccca gtccatgaac 120

cagcgatcgt agaagtcccg gtcggcgctg gagcactgcc gatgtgcata ccaagcttga 180

tgcccaggaa aagatgctag ctgatgtgcc atcggcttca ccaggatttg tagattgcca 240

gatctgatct gattcagcga gaattctgag ctaccaaagc tgcttcgact caaagctcta 300

ccactgccct atcttgcact ttaagaagac tcgatcgtca cggaaagagc agacagaggt 360

atcaaattcc atgctagctc ctcatgttct tgagcgcaag aaatgagtct tccgagtcgg 420

aggacatcca agaactgatc aacagtggcc tcaagtgc 458

<210> 8643
<211> 265
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049b09b1

<400> 8643

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cgaccgacga acggcagaga aaagtgaggt gatcatgagc accatggcga tgtcggcgct 120

gaacccggac gcgcccatgt tcatcccggc ggcgttcaag aaggtggagg actactcgcc 180

cgagtggtgg gagctggtca agaccaccgc ctggttccgc gaccactggt tccgccagca 240

ccagctctac gaggacctcg ccgac 265

<210> 8644
<211> 344
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049b10b1

<400> 8644

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gtgcgcttgg ccaataatca gcttgtccat ttgcagcttc ctatttactg tcagtgcatt 120

cagcaacctg tcctccatgc acagttgact gaccaagctc tgagctagca tggccatgga 180

ggcggctctt gtcagcgtgg cgacgggggt cctcaaaccc gtcataggaa agctgaccac 240

tctgctcggc aatgagtaca agcgtttcaa gacagttcgc aaggagctca agtccctcac 300

tcatgaactt gctgccatgg aggcttttct cctcaagatg tctg 344

<210> 8645
<211> 358
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049b11b1

<400> 8645

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tctcactctt tgttcagcca cagttgatgg cgaaaagttc ctaattgcct ttggcggtta 180

caacgggaag tacaacaatg agatctttgt gatgaaaccc aagccaagaa actttgtgca 240

acctcgtctt ttccaatctc cagcagctgc tgctgctgca gcttctgtga aagctgccta 300

tgctgtaata actgctactg atgagaaaac taaagatatt gttgctactg atgatttg 358

<210> 8646
<211> 347
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049c01b1

<400> 8646

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gttccactcc ctcgccatgg gcaagattaa gatcggaatc aacggtttcg gaaggatcgg 120

gaggctcgtc gccagggtcg ccctccagag cgacgatgtc gagctcgtcg ccgtcaacga 180

ccccttttatc accaccgagt acatgaccta catgttcaag tacgacaccg ttcacggcca 240

ctggaagcac agtgacatca agctcaagga cgacaagacg ctgctctttg gcgagaagcc 300

agttaccgtc ttcggcgtca ggaaccctga ggagatcccg tggggtg 347

<210> 8647
<211> 91
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189049c02b1

<400> 8647

atcacgccgt gcgccacgcc gcctcccccc aaaaaccttt cgaaaaccgc cgcgccaacc 60

gccacccagc ccgcccctna ccaccccccc c 91

<210> 8648
<211> 219
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049c04b1

<400> 8648

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ccgccggcgc cgccaccgcc gccggcgccg ccgggggcgg ctgctgcatc aagatcctgc 120

cccgtccgcc agcccaacca gcaccccgac gacacacgca ccaacagatc aaccgcccca 180

aacagggcac gccgtcctcg gcttcaaggc caagcaggg 219

<210> 8649
<211> 342
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049c05b1

<400> 8649

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ctccagtcta tcgaggcgtt ctgtggcaag tgcagcgccg aggccctgaa ggagctgcct 120

gtcgtcctga aggccctcta cgacggagac gtcctcgagg aagagactat tgtgcagtgg 180

tacaatgagg ctgttgctgc cggcaaggac tcccagatcg tgaagaatgc caagcccgtc 240

gtggagtggc tccagagcgc tgagtctgac gaggagtgag accctgtact gcttgctccc 300

attccgcact tacttttttac caccgctact tgcttaagtg tc 342

<210> 8650
<211> 301
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049c06b1

<400> 8650

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cagttgtcca ggacacagaa cttggacagg tcattcaact ccagggtgat cagaggaaga 120

acgtctcaaa cttccttgtc caggccggca ttgtgaagaa ggaacacatc aagattcatg 180

gtttctgagc aactgccagc tccatatcag agtctacatg caaagcagct atatattggt 240

ggtgcagtat atttagttgt gtgctagcgc tagcaggcgt taccagcttg cgcgctctga 300

g 301

<210> 8651
<211> 338
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049c07b1

<400> 8651

cgccaacaac aataaactaa accaattcat gatctgtcgg atctgcatta caaagggcac 60

aagtttttt tccaaagcca agagtagtgt tgctgttgtg cagactaaac caatgtcact 120

gcagttgctt attacgggta aattggagta aaaacgaaca aaaacaagga tccctcagca 180

ggagctggca cactcccgct cgtgagcaag tctcgggcga acagctgaaa acccaaaaaa 240

tttaacttgt acagggcggt ggtgacacct cgccatcaag cattctcgtt ggcgatcttc 300

tccgccttgg cgatgacttc gtcgatgcct ccaaccat 338

<210> 8652
<211> 454
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049c08b1

<400> 8652

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agtgtgatat ccaaaaccag tcaagatggt gaagtttaca gcggaggagc tccgcggaat 120

tatggacaag aaaaataata ttcgtaacat gtctgttatt gctcatgtcg accacggcaa 180

gtctacgctt acggattccc ttgtggcagc tgctgggatt atcgcccagg aagttgctgg 240

ggatgttcgc atgactgata cccgtgcaga tgaggcagag cgtggtatta caatcaaatc 300

cacgggtatc tctcttttct atcagatgac tcctgaatca cttgagatgt acaagggcga 360

cagggatgga gatgaatacc tgatcaacct tattgattca cctggccacg ttgacttttc 420

ttcggaagtc acagctgctc ttcgtatcac tgat 454

<210> 8653
<211> 410
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049c09b1

<400> 8653

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ggtgtacact ggctccgccg acaggcgcgt tcgtgtctgg gcgcccaggc ccgcgtccga 180

caagaccacc aaacgacaga gcaagaagcc ggtttactac ctggtggcca ccctctcccg 240

ccacacggcg gcggtgaacg ccgtggccgt cgggtgcggg gggcaggtgc tgtactccgg 300

cggcaacgat cgctgcgtgg tggcgtggga gcgggaggac agcgcgagcc acatggtcgc 360

gatcggggcg ctgcgggggc accgcaaggc ggtgctctcc atcgcgtgcg 410

<210> 8654
<211> 362
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049c10b1

<400> 8654

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gttgctggga gtacagacag cagcccgcca tcgtccgcat caccaggccc acccgccccg 180

acagggcacg ccgtctcggc ttcaaggcca agcaggggta tgtggtctac cgtatccgtg 240

tgagacgtgg tggcaggaag cgcccagtgc ccaagggtat tgtttatggc aagcccaagc 300

accagggtat tacccaactt aagttccaga ggaacaagag gtctgttgcg gaggaaagag 360

ct 362

<210> 8655
<211> 343
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049c11b1

<400> 8655

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agaaggcgga aaacatcaca gtttgcgaaa tcgtggagcg gtagagagag atggccgaga 180

cggtgttcgc tccgtgtttg gaagggatga agcatgtcag gtcggacagc ggggtcatgc 240

tcgccaagcc cttccttgat gtctgcaagc aaatcttgcc tgtcctggat aaatttggtg 300

ctgctatggc aattgtgaag agtgatattg gaggtaatat cac 343

<210> 8656
<211> 385
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049c12b1

<400> 8656

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atacatgatt gatctgatca taacaagttg ggtgcctaat tcttgtccaa gctctaagag 180

gcttctgtct gtgttggtac atgtaacatg ttgtcggtta accaagagaa ttacttcaat 240

tgccttttc acagagggcg gaatgctgac ttgaccaaaa tgttagcaaa cataacaagc 300

tggcacccaa tagtgctttt aacagaacgg aaggaggaaa caggaactat ccctttacat 360

tttaacggaa ggaggaacgg aagga 385

<210> 8657
<211> 329
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049d01b1

<400> 8657

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gaagggcctt acttctttaa catatctgta tataaagaag tgccaagaat tagctgtgtt 120

gccacaaagc ctagggcagc tcattaccct gcaagacatt tccatcatca attgtcccaa 180

cctgacaact ctgcctgaaa gcatgaaggg ccttacttct ttaacagagc tttggataga 240

ggagtgccaa ggcctagcta tgttgccaga atgcctagga cagatgattt ccctgcaaaa 300

aatttgcatc atcgattgcc ccaacctga 329

<210> 8658
<211> 324
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049d02b1

<400> 8658

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ttcagtcact gatgtggctc ttgtaacatc actgagggat ggcatgaatc ttgtaagcta 120

cgaatatgtt gcatgccagg gatcaaaaaa aggagttttg atattgagtg agtttgccgg 180

tgcagcacaa tcgcttggtg ctggtgccat tcttgtaaat ccctggaata ttacagaagt 240

tgcagactca ataaaacatg ctttaacaat gacatctgat gagagagaga agcggcacag 300

gcataactac gcgcatgtaa caac 324

<210> 8659
<211> 249
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049d03b1

<400> 8659

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cgtctcggct tcaaggccaa gcaggggtat gtggtctacc gtatccgtgt caggcgtggt 180

ggcaggaaga ggccagcgcc caagggtatt gtctatggta agcccaagca ccagggtatt 240

acccagctc 249

<210> 8660
<211> 383
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049d04b1

<400> 8660

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gccctccaga gcgacgatgt cgagctcgtc gccgtcaacg acccccttcat caccaccgag 180

tacatgacct acatgttcaa gtacgacacc gttcacggcc actggaagca cagtgacatc 240

aagctcaagg acgacaagac tctgctcttt ggcgagaagc cagttaccgt cttcggcgtc 300

aggaaccctg aggagatccc gcggggtgag gctggtgccg attacgttgt ggagtccacc 360

ggtgtcttca ctgacaagga caa 383

<210> 8661
<211> 391
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049d05b1

<400> 8661

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gttaatcagg tcattggaat tgacttgctg tcgcaatctc tattgccggc tattgtagaa 120

cttgcggagg ataggcactg gagggttcgc cttgcaataa ttgagtacat ccctctgctg 180

gctagtcagt taggtgttgg gttttttgat gacaagctgg gggcactttg catgcaatgg 240

ttggaagata aggttttctc gatcagagaa gctgccgcaa acaacttgaa gcgcctggcg 300

gaggagtttg gtccagagtg ggcaatgcaa catataattc ctcaggtgtt ggagaagata 360

aacaacccac attatctgta tcgcatgacc a 391

<210> 8662
<211> 395
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049d06b1

<400> 8662

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acgctcacca tgctcgcgca ccccaacgtc gtccgcctcc acgaggttgc tgctagcaaa 180

acaaagatct atatggtgct tgagcttgtc gatggaggcg aacttttga caggattgca 240

ataaagagaa aactatctga acgagaagga aggaggcttt ttcagcagct aattgatggt 300

gtcagctatt gtcatggaaa gggtgtctac cacagggacc tcatgcctga aaacgttctt 360

atcgaccgga aaggcaacat caagatctct gattt 395

<210> 8663
<211> 361
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049d07b1

<400> 8663

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ctggcaccat ggaaggattt caagaataaa acaggttatg gtggggattt tcctggaagc 180

acatctgaca agtgggagaa agctgatgtt ggactggtcc caccatatat gccaaatcct 240

tttatgatgg aaagtattgg tgcactacct ataaacatac caaacagtag ttcgatccag 300

cagaatgaat ttgcatcaag ttctcatgag aacattcttc ttcattgtgt cacagatggg 360

c 361

<210> 8664
<211> 343
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049d08b1

<400> 8664

ttcacgcgtc cgcccacgcg tccggcctgc gggtttttat aatgtggaca ttcctatgga 60

ttcaactaag gatgtgaaga aaaaggaaaa agaactccaa gcgatggaag ccgagctaaa 120

caaaagagaa aaggaactga aaaggaagga agaggctgcg tcgcgagctg gcattgtcat 180

agaagacaaa aactggccac ccttttccc tctcattcat cacaatattt caaatgagat 240

acccatccat ctacaaaaaa tgcagtacct tgcattttca tcatttttgg gaattgctct 300

ctgcctcttc tttaatatca tagcgactac aactgcatgg att 343

<210> 8665
<211> 302
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049d09b1

<400> 8665

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ggccaccgcg tcgttccact ccacgcctcc cctgcagcgg aagcgcaaga cccagtggcg 180

gcacaggttc aatctttatg caaaacgcat gagaaataga gacacaaaat gaacaatgat 240

acggaatatg cctgagtatg cggagcagct cttcaatagt tggcgtgatg aagatgagaa 300

aa 302

<210> 8666
<211> 329
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049d10b1

<400> 8666

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agctagcgca ggcgatacgg cgccttggtg aggcctacga gcgcgtggag acagcgaagc 120

tggagcaggc cgccgagatg gagcgccagc gtctggactt cgcacgggag cttgagtcgc 180

aacgcgtgca gttcttcctc aatacgcaga aggagctctc acagggcaag agccacatct 240

ctcccgctgc ggctgcctcc cactcccagg taggtgccgc cactgttggt ggctcatcta 300

ggaggatggc gtccgtacca gattccaca 329

<210> 8667
<211> 389
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049d11b1

<400> 8667

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ggggaacgac attgtaagct tggttagttt gatgtcctac ggagaagcaa aattgggcgt 120

gcccaccgcc agaagattca tctttgtact ctcttctcca tttatcagtg caacgagagg 180

cagagttagt catggtgatg atcatattgt attcttatga tgcttgcaga ctgggagtgt 240

atttatactt catgcttatg agttatgatg aatcatttct atggcattac atacagtcag 300

tgggaaaagg tcattaggga ctagcatgtt tcactattgt gattacaaac taaaacttgt 360

gcaagtatga taaatgggtg cattgatct 389

<210> 8668
<211> 361
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049d12b1

<400> 8668

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cgcgctctgt gccaagcggc tggtgcgcga cagcgacgtc ttcatgtaca gaggggacac 180

gcccttctgc agcgaggagt gccgccacga gcagatgcag ctcgacgccg tctccgccag 240

gcaggccgcc cggaggctgc agcggttctc ggcgggagca gagtccgggc gtgcacgcca 300

tggggtgtcc gtctcgagct aaccggcgag agtgccaagc gacatacagt acgtgcctga 360

c 361

<210> 8669
<211> 363
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049e01b1

<400> 8669

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caccggcagc agcgcatctt atccaagttt gcagatttcc cctacaaagg ccgaggtggg 120

acactctgct ccatcatcac aaccctgtgg atcaattgcc accagtcttt gggttgcaaa 180

atctggacag agccttctga agtttgacag tcacatcttc tcaactgtac attgccgtgc 240

aagatgccaa aaataaagaa cctgtctgat gcatgtaaag tatcattttc tccagatgga 300

cctatatctg aagaagcact cgagagagtt cgtgcactgt tagatgagat cagaccttta 360

gat 363

<210> 8670
<211> 306
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049e02b1

<400> 8670

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aaagcttccc attcctccgc atcggcaggc agcagcaaaa caacagccca atcgagggtc 180

actccacacc accaccactc tcttccccca atcccctcct cctccccgaa accctagctg 240

gaatggagcc caaatccacc acccctccgc cgccgggccc cgtgctgggc gcgcccgtcg 300

gctacc 306

<210> 8671
<211> 262
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049e03b1

<400> 8671

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ctcgccgcca acatgaccga ggtctgcgtc aaggccgccg tcggccaccc cgacacgctc 120

ggcgactgcc ccttctccca gagggtgctg ctcacgctgg aggagaagaa ggtgccctac 180

cagatgaagc tcatcgacgt cagcaacaag cccgactggc tcctgaagat caatccggag 240

ggcaaggtgc ctgtgtataa cg 262

<210> 8672
<211> 309
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049e04b1

<400> 8672

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cagcgcagcc ggctgcggaa acgcgcaagg cgcagtcagc acgagacggc gggaggcggc 180

gagcagcggg gaaaatcgat gctcgtagag aggcggagcg gcatagaagc ggcaagccgg 240

cttgtggagt ggcgatgaag gcggcctgcg agctacggcg ggttgggcca aggcgaggtt 300

cagcaacgc 309

<210> 8673
<211> 346
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049e05b1

<400> 8673

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cattgactac cagagacaag gacctactcg acacatcctc tggccctctg ttcatgctgc 180

caaggagaga ggagttgctt ggtccaactt gtttcggcct cagatctgct acggaaaact 240

tgttgagacc ctgttgtcca acggacttgt gtcggcctgc agaagtttgg tggaacgaaa 300

atgtacacct aaatgacagt gttgttcaag ttttcttttt ggcagg 346

<210> 8674
<211> 395
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049e06b1

<400> 8674

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ccgccgtcgc agatgcccgc gctcaccggc cccccgcccg agttcgtcgg ccaccagcag 180

gcgctcaagg tgaagaacga catcaacctg cgcaaggaca ccatccgcct cgtgcccgac 240

gccgccgacc ctgaccgccg cctcgtctcc ttcaccttcg acgcggtcac cgacggcagt 300

ttagttatac attactttgc caaggaagga aaagactgca atttttcttc agtgtaccca 360

gacttgcaga caccaacaaa gataccttc cagaa 395

<210> 8675
<211> 395
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049e07b1

<400> 8675

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cgagtggaga accaggaagg aggagggacg tgaagtggag aagaggggt gcgctggaga 120

aggagccaag cctgcaggag agcacggagt gccggcgcgc cgtgcccgcc gcagctgctc 180

gtggagatcc ggcatgtgct gcaccatgga ggcgctcgtg gagggtttga tgtcgaggag 240

gttcggttcc tacaccaatg gttacagcgg gctctgctgc agggagtgga agttttagaa 300

tgctgcggac aggttgagag caatagatgt tttttaagtc ctaggacaat ttgattttgg 360

gaggacaaag gtcaggcaag gatgagaatg ggata 395

<210> 8676
<211> 270
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049e08b1

<400> 8676

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ccgagtcgag caagaaagca gcagcagccg agagcacagc gaccaaagtg ggcgtcatgg 120

ccgactcgac gttcgggagc atcggcgacg tgctcaaact gctgccgacg tcgacggtga 180

tcgtgtacga ggtgctcaac ccgatcgtga ccaacgccgg cgcgtgcagc gtggccaaca 240

gggtggtcac cgcggcgctc ctcgtgctct 270

<210> 8677
<211> 345
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049e09b1

<400> 8677

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gcgctggacc tctgatgacc agacaagacg gaccgaccgc accgtgactc cgacagccac 180

tccgtggtgg taatcagtgg agtgccgcca ccgtcgatca aaatctttga cctcccgcat 240

ccaccgccag ttctgtctcc ctgcaagcaa atctcagccg ccattgctca gcttctgagc 300

agcggagcgg atccgagatg gagcccatcc ctctgctcac gccgt 345

<210> 8678
<211> 422
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049e10b1

<400> 8678

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tgctgcagtt attcagatat tcagagttcc ctacatactt gctgcagttt cagaaaaatg 120

cttaatgtca gagttgattc tctgctcgct gctctgtgtc atctgcacag attagttaca 180

tgcttgtagg acaacacatg gaaatttaca tctggcttgt ctgtactaac cattgaaaac 240

aagcaacacc tgaaacaaat atgcaatttt actatgcata tgctcatctc gttatattca 300

gagttcaata tatacttgct gcagatacag aaagtgcttc atgttagagt tcagtatatg 360

tatcatctgc acaaattggt ttcctattca gattatatgc atctgctagg ctttattatg 420

ta 422

<210> 8679
<211> 238
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049e11b1

<400> 8679

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acgcgaagca gcagcaggcc gcggcgccca ccggcgtctg gaagacgatc aagccattcg 120

tcaatggcgg tgcctccggg atgctcgcca cctgcgtcat ccagcccatc gacatgatca 180

aggtgaagat ccagttgggt gagggatctg cagctcaggt cgcaaagacc atgtatgc 238

<210> 8680
<211> 302
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049e12b1

<400> 8680

tggtgtgcca ggtttctctg tctgggctcc cggcatcggt ggcggcgcgg cggcgggcgg 60

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cggcggccat gccgcgatcc ggggcgtgat cccgccgggg attgctggcc cgggagggcc 180

gcggcgatga acggcgcgag cgccggctcc ggctccggcg gcgaggggcc gctggtgtac 240

caggcctgga aagggaacaa tgtgtttttc ctccagggga ggtttatatt tggacctgat 300

gc 302

<210> 8681
<211> 279
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049f01b1

<400> 8681

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atattccttg cacagaaaat gatgatctac aagtgcaacc ttgctgggaa gcctgtggtc 120

acagcgacac agatgctcga gtccatgatc aagtccccca ggccaacccg cgctgaggct 180

actgatgttg caaatgctgt gctcgatgga actgattgcg tcatgctcag tggcgaaagc 240

gctgctggag cataccctga ggtggctgtg aagatcatg 279

<210> 8682
<211> 349
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049f02b1

<400> 8682

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acaagagcgc atccacccct acctcttcta ccctgccctc tcaatcaggc aaagagtacg 180

atttttcctc attaacgcaa ggaatgttct cgaagcgatg agtggcttgc aatacttgga 240

aatggatgag gcctccattg ggcgcagatt tagggagaag ctgggggggaa gcttgtacac 300

tgttttaccg aggcagctct gccaattgtg gatacatagt tacatcacc 349

<210> 8683
<211> 361
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049f04b1

<400> 8683

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gcggcggcgg cgggagtagc cgtcggatcc ggagggaggg gcctgcagcg ccatgagggg 180

cggcggccgg ggaggagggg gaggcggggg cggcgggagg gggcagcggg aacagcaggc 240

ccgcggcgcg gcggcggcgg tggcgggggа cggggcggag atcccggcgg cctcgcggaa 300

gctcgtgcag gggctcaagg ggatcctcgc cgaccgcacc gaggccgaga tctacgccac 360

g 361

<210> 8684
<211> 419
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049f05b1

<400> 8684

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ctagccacca tcagcgcgct ccctccctcg atcctcatgt ccgattccga agcatccccg 120

acgcccgcgg ttgcggtcgc ggcggtggag gtggcggcgg gcgagaactc cccgactccg 180

gcgaggagtg aggagctgct gccggtggcg gagaagatct cggaactaaa tgaatcacag 240

tcagagctcc cgggaagact tcgaggcctt aaggaggatt tgcagagctg gagaagcaat 300

ttagacaccc aagtgcagaa atacaaaact gaaatctccg atatcaaaac tgcacttaat 360

agtgaaatag accagctgaa atcagatttc caagaactga ggaccaccct taagaagca 419

<210> 8685
<211> 474
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049f06b1

<400> 8685

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catcgccgcc aggttccact cccactgccc gcagacggcg cgcatgtact acaagccgcc 180

gcagtccgcc tccacgtcgg gcgccgccga ggccgccacg acggatcgga cgaaggcggc 240

cggctttgac ggcggcgagg acgtggctgc tggcttccgg cccttcgccg cctcgggagc 300

tctcggcgcc ggcgtccagc cgcggttcgg cttcgacacc gcgcaggtcg tcatctacga 360

ggtcgtatga ggctgggaac aacgagggcg ggctcttctg ggaagagatc tctcggatga 420

ggatagttct gcgaccgagg aattggtcga ttataacacc attctttaat tagt 474

<210> 8686
<211> 289
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049f07b1

<400> 8686

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gatatttcgt cccggacgcg tccgccccga cgacagacga acagcagaga aaagtgaggt 120

gatcatgagc accatggcga tgtctgcgct gaacccggac gcgcccatgt tcatcccggc 180

ggcgttcaag aaggtggagg actactcgcc cgagtggtgg gagctggtca aaaccaccgc 240

ctggttccgc gaccactggt tccgccagca ccagctctac gaggacctc 289

<210> 8687
<211> 196
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049f08b1

<400> 8687

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gagctagcac cgttaattag cttcattgtg gtgtgatctg tatagttgta gattaatcag 120

cagtgtggtg atttgggggt gtaattagca ttattgtatt gggatccatc gacatactag 180

tatatttcat tatcaa 196

<210> 8688
<211> 365
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049f09b1

<400> 8688

tatcagctct ctttcttcct tcttcctccc caactcctcc gccctctcga cctcatcgcc 60

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ggccgacgag cggggccaac tccggctact ggaccaccaa ctccggcgcg cccgtctgga 180

acaacaacaa cgccctcacc gtcgggcagc gaggacctat cctccttgag gattaccatc 240

tgattgaaaa gcttgcgcag tttgaccggg agcgtatccc tgaacgtgtt gttcatgcac 300

ggtgagccag tgcaaaggga ttctttgagg tgactcatga tgtttctcag ctcacatgtg 360

ctgac 365

<210> 8689
<211> 399
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049f10b1

<400> 8689

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tgcccgtcga ggaggctccg gcgccggcgg cggtggaggc tgtcgagacg gccgcggtgg 180

cggtggaggc tgtcgagccg gccgtcgtcg ttgtcgagga gactacggtg gcagcggtgg 240

agattgtcga gccggctgtc gccacagtcg aggtggcagc ggtggaggct gtcgagccgg 300

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tggcgaaaga gccggaggca gttccagcag agaccaaag 399

<210> 8690
<211> 405

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049f11b1

<400> 8690

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ttggcattat gcatcctgag cttaccccta ctggagtgct ttacactgga caagttggat 120

atgttataac tggaatgcgt tcaactaaag aagcacggat tggtgatact cttcatcagg 180

ctaagactat cgttgaacca cttcctggtt tcaagcctgt gagacacatg gtcttctctg 240

gtgtataccc agctgatggt tctgactttg aggctcttag ccatgcaatt gagaagctaa 300

catgtaatga tgccagtgtg tctgttacaa aagagacaag cactgcactt ggcatgggct 360

tcagatgtgg tttcctagga ttgctgcaca tggatgtgtt tcatc 405

<210> 8691
<211> 312
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049f12b1

<400> 8691

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aggttctcgc cttcgtctgc atcgtggcgc tggtcggcct caacctgagc cagccggcgt 120

cggcggcgag ctgtgccgac tgctggtacg acggatggtg tgatcgtttg tgcggtctta 180

ttgaatacgg gtgccatgcg tgcgaacgca tacaaatgag agggtgctcg cccaggtgct 240

accagggttg ccttgcaacc tgcaggagcg tagatgcatc gtccggatcg atgtctgcct 300

agagcgtgcg tg 312

<210> 8692
<211> 298
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049g01b1

<400> 8692

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tacatagcta aatatcatca tctcagaggg aacctatgtc gatgttgcga gcctgcaaca 120

acagctatag ctccctgcat ctcttgcggt tcatctcatg gttgctgctt gattctgcta 180

catagcagct acacaagatc ttctagtggt agatcaccgg aaacaaaaag gtttcttaca 240

aatggcgctg atggaaccac ctgaaggaat caaagaatcg gagcaacagc aacaagat 298

<210> 8693
<211> 347
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049g02b1

<400> 8693

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acacaggaat ggacgtgtgt gttaaaatca ttaagaacaa caaagatttt ttcgaccaga 180

gccttgatga gatcaagctt ctgaaatatg taaacaagca tgaccctgcg gacaagtacc 240

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ttctgaaggc aaatttgtat gaatttcaaa agtttaacag agaatca 347

<210> 8694
<211> 275
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049g03b1

<400> 8694

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actcacgttt gggccgcttc tactccggtc cagctgcctg cctcatccag cgcccccgtg 180

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ggtccgtcgg gcgatgatgt ctgcgcgacg aggac 275

<210> 8695
<211> 380

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049g05b1

<400> 8695

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tgttagtgaa gctagctagg taagaaaaac catggcggct tcccgtgcct tggctgcact 120

gcttgctgtg gtggtactca tggtctgctc tccggcgcct cgtgttctcg ccactgaccc 180

cacccagctc caagacttct gcgttgctga tataatgaac cctgtgattg tgaatgggtt 240

cgtgtgcaag aacatgaaga tggtgacggc gaacgacttc ttcttgcccg ggcttaacaa 300

gccgggcatg ttgaacgctc agggctcggc ggtgacaccg gtgacggtgc ggcagctgcc 360

ggggctgaac acgctgggca 380

<210> 8696
<211> 328
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049g07b1

<400> 8696

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ccgccaagtg ctacccgacg gtcagcgacg agtacctggc cgccgtcgcc aaggccaagc 120

gcaagctccg cggcttcatc gccgagaaga actgcgcgcc ccttatgctc cgcctcgcgt 180

ggcactcggc cgggaccttc gacgtggcca ccaagaccgg cgggcccttc ggcaccatga 240

agtgccccgc ggagctcgcg cacggcgcca acgccggcct cgacatcgcc gtcaggctgc 300

tcgagcccat caaggagcag ttccccat 328

<210> 8697
<211> 324
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049g08b1

<400> 8697

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ccgcgcttcc ttcagcggct gccgctgctc ctcgtcctcc cactcagaaa tggaggccgg 180

cgctgggaca gctctgtacc ccgcgcaccg atgcaaaacc atatacctgg tgaggcatgc 240

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gcttgatgct caacttaccc cttt 324

<210> 8698
<211> 321
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049g09b1

<400> 8698

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ggtttagcgc cgattcgccg gggggggaaaa tcgaaaaaaa aggaggagga atcgcgatgg 180

cagcgcaggt ggcggtggcg aacggcggcg gcgcggctcc ggcggtgccg gcggcggccg 240

tggtccccgc gcccgtggcc gcggcggccg gaggggtcac gcagccgctc ccgaccacgt 300

cgctctacgt cggcgacctc g 321

<210> 8699
<211> 365
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049g10b1

<400> 8699

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gggaacccgc gggctcgccg tgctgctcct cgcggcggtg ctgctgcagg gcctcctccc 120

ggcctcggag gcggagggcc tggtgcggat cgcgctgaag aagcgcgcca tcgaccggaa 180

cagccgcgtc gccaagagcc tctccgaccg cgaggaggtg cacctcctcg gcggcgcctc 240

caacaccctc ccctccgagg aggagggcga catcgtgtcc ctcaagaact acatgaacgc 300

gcagtacttc ggggagatcg gcgtcggcac gccgccgcag aagttcaccg tcatcttcga 360

caccg 365

<210> 8700
<211> 341
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049g12b1

<400> 8700

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atgcttcacc cttccattat ggaagtttgc gtgcgtgcta tttccctatg ggggatgcgc 180

gctcaacatt cgtgaattca gcagatttgc ttccattctc gcagacacca ggtgtgtata 240

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ggcttgagat cactaagctt agtgattttc agcgtatggg c 341

<210> 8701
<211> 268
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049h01b1

<400> 8701

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gctgtggatc aagctgcggc tgcggctcaa actgcaactg cggcaagatg taccctgact 120

tggagaagag cggcgccacc gtgcaggcca ccgccgtcgt cctcggcgtc gggcctgcga 180

aggtgcagtt cgaggaggcc gccgagtccg gtgaggccga ccacggctgt agctgtggcg 240

ccagctgcaa gtgcgaccct tgcaactg 268

<210> 8702
<211> 414
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049h02b1

<400> 8702

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tcgccgtgct cctggcgctc ctggcgtcgg cggagtcgtg gctgtacgag gagttcacca 180

cggacggcaa cgtgcgcgcc gactacaacg cgcaggggca gcaggtggcg tcgctcgtcc 240

tcacccagca gtccggcggc ggcgccttcg gctcccggca aaagtacctc tacggccagt 300

tcagcatcca gatgaagctc gtccccggca actccgccgg caccgtcacc tccttctacc 360

tgtcgtcggg cgacggcccc gggcacgacg agatcgacat ggagttcatg ggca 414

<210> 8703
<211> 283
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049h03b1

<400> 8703

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accagcccca atgacaagaa gggtgctggc ggcggcggcg gcgccggcag gagccggtcc 180

gcggccacgg tgcggcggct caagatgtac aaactaaggc ccatgaggga ccgcggtggg 240

aagatcgtca agcacgacct ccagtccaag gagctcccca aca 283

<210> 8704
<211> 402
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049h04b1

<400> 8704

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agaattacat tgactgtacc ggaatgtcat ttcgggattt atggcagga aagctcccac 120

aggtcccagg ggagttgccc actttgaacg attgggagaa ccatctaaca acaatttttc 180

ccgaggttag gctgaagaga tacatggaga tgagaggtgc tgatggtgga ccttggagga 240

gattgtgtgc tttgcctgca ttttgggttg gtttgttgta tgacgacgaa tcactacaga 300

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tcccagtaac tggtttgaag acaccattcc gggatgggta tg 402

<210> 8705
<211> 302
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049h05b1

<400> 8705

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cgggccgtgt gtcggtctat ggaattgcgc ggcgcggcga ggaggccgtg gtggtcgagg 120

cagcacagtg aggaggccgt ggaggacctt cgtggtcgcg gcttcaacga cacacagtgg 180

catggcggca tggaggtact gcgctgcggc tgaggccaca tcggtgcagg gcaataagcc 240

gtggcggcga ggcgggcgcg accggtgcgt gttatgggtg catactggac gcgtcgggca 300

ca 302

<210> 8706
<211> 358
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049h06b1

<400> 8706

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cgacgagtgc ttggacggcg gcaggaccat gtactccaac accaccgacg actgctacga 180

cgctggcaag cacggccacg ggcacgggca cggacatggc catggcgggg caaacatgta 240

cgctaacacc actgacgtgg agtgtttcca ggactccggc aggcacggct acggtggtgg 300

cggcaggacc atgtactcca acaccgtcga cgaggagtgc ttcgactccg gcaggcac 358

<210> 8707
<211> 280
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049h07b1

<400> 8707

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cccaccagcc atgggtaagg agaagactca catcaacatc gtggtcattg gccacgtcga 120

ctatggtaag tcgacgacca ctgggcacct gatctacaag cttggcggca ttgacaagcg 180

tgtcatcaag aggttcgaga aggaagccgc tgaaatgaac aagaggtgtt tcaagtacgc 240

ctgggtgctt gacaagctca aggcctagcg tgagagaggt 280

<210> 8708
<211> 313
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049h08b1

<400> 8708

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tccctgttta agcctataat ggccaaagtt atggaggttt tccagcctgg tgcggttgtt 120

cttcaatgtg gcgccgattc tttatctggg gataggttgg gttgcttcaa tctttcgatc 180

agaggtcatg cagaatgcgt gaagtacatg aggtctttca atgttgcatt gatgcttctt 240

ggcggtggtg gctataccat aagaaatgtc gcacgatgtt ggtgttatga gacaggagtt 300

gcacttggcc aag 313

<210> 8709
<211> 322
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049h09b1

<400> 8709

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gcgacgccct ctacacctac attctcgaca ccaccgtctt cccccgtgag cacgagtgca 180

tgcgcgacct gcgcctcatc accgacaagc acccatgggg ctacatgcag tcgtcgtcgg 240

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tgggcgtgtt cacgggctac tc 322

<210> 8710
<211> 238
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049h10b1

<400> 8710

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cgcgccgccg cgacccgcgc cgcgtgccct actcctgcgt cccctgcccc gacttccgcc 120

gcgacccgca agcctgccgc aagggcgacg cctgcgagta cgcgcacggc gtcttcgagt 180

cctggctcca cccggcgcag taccgcacca ggctctgcaa ggacgaggtc ggatgccc 238

<210> 8711
<211> 350
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049h11b1

<400> 8711

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gccgcgatct cgcgcaggag cggagatggg gctcacgttc acgaagctgt tcagccggct 180

cttcgccaag aaggagatga ggatcctcat ggtcggtctc gatgcggctg gtaagaccac 240

catcctctac aagctcaagc tcggagagat cgtcaccacc atccccacaa tcgggtttaa 300

tgtcgaaact gtagagtaca agaacattag tttcaccgtt tgggatgtcg 350

<210> 8712
<211> 416
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049h12b1

<400> 8712

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ttcaagtcga ccagtctacc gtggccatca gggagcagtt tgggaagttt gacagtgtgc 180

ttgagccagg atgccactgc ctgccttgga tctttgggaa acgtgtagtt ggccatctca 240

cactcaggtt gcagcagctg gatgtgcgct gtgaaactaa gacaaaggac aatgtgttcg 300

tcactgttgt tgcatcgatt cagtaccgac ctctggctgg caaagaaagt gacgcatact 360

acatactgac caacacatga tcccagattc aagcctatgt ctttgatgtg atcagg 416

<210> 8713
<211> 434
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050a02b1

<400> 8713

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cttggatggt ggcgatgagt gtgggcgccg tggaggccct caaggaccag gtcggcctct 180

gccgctggaa ctacgccctc aaatccatcc accgggcagc caacgtccgc ggcggcgtct 240

tgcagggcgc caagcagctt ccggcctctg ctgaggcggc ggccgagaag cggcgagggg 300

agaaggccgt ggaagggctg aggacggtga tgtacctcag ctgctggggt cccaattaga 360

agctgcaact tggtactagc taggcgtgtg tgtgtttgct gcaacaacca tggcctggaa 420

ccacgatgta aaaa 434

<210> 8714
<211> 483
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050a03b1

<400> 8714

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cacgggccac cgccgcgggt acagggtgtc agcgcgggcg ggcgggccct tttctgtcgc 120

tctttctggt gcgggccttc aatgcgtcgt cctggtggct gctgatatcc atccgccctc 180

ccggactcct cggccgatca gattcggttc tgttactcga gttcgccgcg gaaagagggg 240

aggagataag agggaggagg gttggggcct gagccgggaa ggcaggcatt ctgatccgga 300

ttcagctcct gcaacctctc agccgtctcg aggaaggata cttgagaagc caggctgctg 360

cggttttttt tttcttcaac aagtttcagg gatctgtttg agactgaaca gacccttgac 420

ctctttgtgc aacactcatt ttttgtacaa cttgtggcaa gaatttggca gcaaatgggt 480

cga 483

<210> 8715
<211> 299
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050a04b1

<400> 8715

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tgctccagac ggccaccttc tccggcctct ccctcggcga ctccatgtgg taccacgccg 180

acgccgtccc ccgagcccgc aacgccgacc ccggcctctt atccccctcc caggcggtcc 240

acaacaacgc cggaaccgga ttcgccgtcg ccaagatgaa cggcagcctc aacgggccc 299

<210> 8716
<211> 355
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050a05b1

<400> 8716

gtttctttgg cacatccttt gtcagccaag ctgatgctgc gcccctgcat tatcccgtgg 60

agaagcgcac catcttatca cgtgcacgtg gtgagcttgg cctcagagtt ttccttaaaa 120

tgatccgtct agccagggca atgagctgca tgtcaggatt tatatttctc aagcactccc 180

accactgccc aagagcaggc tgtcgccaat gctatcccaa atcctttcca agacaccagg 240

ataaatcaag tcagacaatt ccaacacttg ccacgggaac agcagcagcg tccaccaccc 300

ctggccggac agcaatacta cgcacaaggt cagggttcat atggagagca gcaac 355

<210> 8717
<211> 362
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050a06b1

<400> 8717

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tccatgaatg atgtgcgtac gctgggcacc cagggctgct gtgcactgtc gcgtctactt 180

gagcgctcta ctacccttga aagacctgat cttcatcttg tctcctttat gcctaccgtg 240

cgtacggccg ctactgtcaa tcagacggat aaccgcgacc ctggttggcg aatccgcgac 300

cctggttggc ggatcactgg tgttcttggc tttctggaag aactatgaca gtccaaaggg 360

ga 362

<210> 8718
<211> 459
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050a07b1

<400> 8718

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aaggtatacg gagaacccat gcctgtaaag gaattagctg atcgcgttgc tagctatgtt 180

catctgtgta cactctactg gtggctcagg ccttttggct gtggagttat tcttggaggc 240

tatgataggg atgggccaca gctctacatg atcgaacctt caggcctctc ctataaatat 300

tttggtgctg ctctgggtaa aggaagacaa gctgcaaaga cggagattga gaaattgaag 360

ctctctgagc taacctgcag ggaaggcatc gttgaggttg ccaagataat ttatggtgta 420

cacgacgaag cgaaagacaa atctgttgag ctggaactg 459

<210> 8719
<211> 444
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050a08b1

<400> 8719

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aggttcatgg agcatggttg ccaccttggt tagcagcaca tgcagctcac tatatggagt 120

tgatgtcaag tcactggagt gaacatggaa aacctgctgt caacaattta ttgcaaaagg 180

catcagagaa aacagtgcag gcgaaggaat gggctgaacc ccatatagaa actgctaagg 240

cgaaatggat tcctgtcatt aaagaaaatt gggctactgc aaaggaaatt gcagaacctt 300

atgtgcaaat ggtctcagca aaatcagtag agctttatca agcatcaaag gatgctatct 360

cacctcatgt tgtgaaagca catgagcttg ctgatcccta tttccaggaa gccaagaagt 420

tatccaaacc ttatattgat caag 444

<210> 8720
<211> 313
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050a09b1

<400> 8720

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cacgccggcc atggccccgg cccccggcgc cgacatcgcc ggctccgtcg cctacttcgt 120

cccggccgtc ggcgccgtgc tcggggccac cgtgctctcc ttcttcgact actacctgca 180

gtaagcgcgc cccggcccga gtcagttcgc tgcgaggagg aggaaggcag gaagaagaag 240

atcactaaat tcgatatgta tggctctacg ctacgctgat tcaaggcgcg cgcgtgcgtt 300

ttgatcgatg cat 313

<210> 8721
<211> 381
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050a10b1

<400> 8721

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tcatggccgt ggtggctgac gtctcggcgc agaacacccc gcaggacttc gtcaacctgc 120

acaaccgcgc ccgcgccgtg tacggcgtcg gccccgtggc atgggacaac aacgtggcca 180

ggtttgcgca ggactgggcg gcgcagcgcg ccggcgattg ccggctgcag cactccggcg 240

ggccgttcgg cgagaacatc ttctggggtt ccgggcagtc gtggacggcc gccgacgcgg 300

tgaagctgtg ggtggacgag aagcagaact accatcttga cagcaacacc tgcgacgccg 360

gcaaggtgtg cgggcactac a 381

<210> 8722
<211> 218
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050a12b1

<400> 8722

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tcccagagtc tccattctac cttgaaggga aaggaggcct ccttgagttc gtcgagagac 120

ggctcaagga cagtggtcat atggtcattg cggtggccga gggtgctggc caagatctca 180

tcgcccaaag catgaacttt gtggacactc aggatgct 218

<210> 8723
<211> 410
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050b02b1

<400> 8723

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ttatggatct gtcgatcacg cgcgactgct tcgcgatctg cggcggcggc ggctcgctca 120

agtcgggcat ccgcaacact gtggacattt acgagctctc ggacacggac ccgagcgggt 180

tcgagaagac catcacggcc gacacggggc tcgagctggc ctcgggcgtg gcgttctccc 240

atgatggcca actcattgcc gtgtctgtga acgcgtcgtg ctggatctac gcgctggacc 300

gcgaggcgaa aacgctcacg ctgctggtca agttccgctc ggactttgcc gacatcgaga 360

gttcccagac gtcagtgtgc tttgtgggca acagcacgct gctcacgggc 410

<210> 8724
<211> 403
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050b04b1

<400> 8724

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caccggaagg ttcccagttt gacgctaaga actatgattc taagatgcag gagctgctga 180

accaaggtga gactgaggag ttcttcacct cttatgatga agttcacgag agctttgatg 240

acatgggtct ccaagagaac ctcctgaggg gaatttatgc ttatggtttt gagaagcctt 300

ctgccatcca gcaaagggga atcgttcctt tctgcaaggg ccttgatgtt atccagcaag 360

cacaatctgg aacaggaaag actgctactt tctgttctgg aat 403

<210> 8725
<211> 387
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050b06b1

<400> 8725

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gcagccggaa gtggatgagt acttcgcctc ggcgtacggc cgcgagcact tcgcccgcat 180

ctcccaagcc ctcgcgcatc cttcttgcta ctcttgcatc cgtgtgaata ctctaaagtc 240

tagcactgat actgtcatgc aaaagctgct gaaattggta aatgagaatg aactttcttg 300

tggatttaat ggtttgaaga tcggtgagca gaatggtgga gagcaagcac atgaagggag 360

ttacctggtg cacaaatgcc catattc 387

<210> 8726
<211> 289
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050b07b1

<400> 8726

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gtccacccca gtgtagtctt gcaacgtgcg tttttgttaa agtccggcac tctgcacaat 180

gacctgttcc attgagttct gtttgtcctg ctggagttat agattgtgtt atctgggtta 240

tgtgccgtgc tggcatttgg atcttaatct taatccgttc gtcttgcat 289

<210> 8727
<211> 481
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050b09b1

<400> 8727

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gttagaccac aatgttcctg tttataaagc tgtgcagaag cctggagagt ttgttataac 120

attccctcgt tcgtaccatt caggtttcag ccacggcttc aattgtggag aggctgtcaa 180

ttttgctatt ggcgactggt ttcctctggg ctctctggct agcaaacgct acgcacttct 240

gaacagaaca ccctttcttg cacacgagga gctactttgc cgttctgcaa tgcttctgtc 300

ccacaaactg agtgatccag aaacaattaa ttctgaacat ccatacactc aatattgtgt 360

gaagtcttcc tttgtgaggt tgatgcgact gcagcggcgc acacgcagct tactcgctaa 420

aatgggttct cagatatact acaagccaaa aatgtattcg aacctatcct gtagcatgtg 480

c 481

<210> 8728
<211> 352
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050b10b1

<400> 8728

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cgagttcgat ttcacctact accggagcta cacccaaggc gagccacgtg ccaactctga 180

tgtggtcgat gagctcgagc agttggcact gtgcaagtac gacgccgtac ctcactgggg 240

caaaaatcgc aactttgcct ttgacggcgt cattgccaag taccccaaag ccgctgagtt 300

cctcaaggtg aaggccaggt acgaccctga tgggatcttt tccagcgagt gg 352

<210> 8729
<211> 378
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050b11b1

<400> 8729

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tgctaaggca atttctgacg atgaagacaa tgaggagaag aaggatactg aggagggcaa 180

ggttgaggat gttgatgagg agaaggaaga gaaggaaaag aagaaaaaga agatcaagga 240

agtctctcat gagtggaact tggtcaacaa gcagaagcct atctggatga ggaagccaga 300

ggagatcaac aaggaagagt atgctgcttt ctacaagagc ttgaccaatg actgggagga 360

gcatttggct gtcaagca 378

<210> 8730
<211> 380
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050c01b1

<400> 8730

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gatgcacgcc atcctgcacg aggaccccac gctggcgccc tcgctgctcc ggatgcacta 240

ccacgactgc ttcgtccagg gctgcgacgg ctccatcatg ctcaggtccc gccggggcac 300

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caaggccagg ctcgagacgc 380

<210> 8731
<211> 203
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189050c02b1

<400> 8731

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cgaaactgaa aactgggcat ctgggacgat tatttgatta tttattgtgt ccctgtggga 120

gcctttctca gagttattga aaatgtatcc actactgtta tccaagtctt ctatctatac 180

tgaaacataa gagcgtttng atc 203

<210> 8732
<211> 455
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050c03b1

<400> 8732

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caagaggaga atggtctaac ctacagccca gatcaggtgc tagtgagcaa tggagctaag 120

cagtgcatta cacaagctgt tcttgctgtt tgctcacctg gtgatgaggt tttgatacca 180

gcaccatttt gggtcagcta tcctgaaatg gctaggttgg ctggtgcaac accagtgatc 240

ctcccgacaa gcatatcaga caatttcctg ctgaagccag agtcacttgc ctcagtgatc 300

actgagaaat caaggctctt gattctatgc tctccatcta atccaacagg ctctgtgtat 360

cccaaggagc tgcttgagga gattgctgct atagtcaaga agtatcctag gctcctggtt 420

ctatctgatg agatctatga gcatattatc tatca 455

<210> 8733
<211> 432
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050c04b1

<400> 8733

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gccggcgatg gcccgctacg accgcgcgat caccgtcttc tcccccgacg gccacctctt 120

ccaggtcgag tacgccctcg aggccgtccg caagggcaac gccgccgtcg gcgtccgcgg 180

caccgacacc gtcgtcctcg gcgtcgagaa gaagtccacc cccaagctcc aggactccag 240

gtccgtgcgg aagatcgcga gcctggacac gcacgtcgcg ctggcttgcg cggggctcaa 300

ggcggacgcg cgggtgctca tcaaccgcgc ccgcgtcgag tgccagagcc accgcctcac 360

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gtacacccag ag 432

<210> 8734
<211> 453
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
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<400> 8734

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catgtggttt tcgcctgcta aactctgttg gatctataca ccttagacct tgtatcgcag 120

ttttgccgct cgatccgtga ctcatgattc atgagctata caccttagac cttgcataca 180

tttgccccta tcatcagtat aatgattcaa ccattgctac ccatccattc cattccagcc 240

aaaggaagag tactagtatg catttcttgt ggtcatataa gtattgttga ttgatgattc 300

gactgtattc ttcctgctag atttggtcag aacaggtgcg ggctgataag ggttgctcgg 360

ggttaatgcc aaaaacgtag tcatgtgctg agttgcgcta cactnttctg tttttattta 420

ccaatacatg tccccaaaga tttactccat cac 453

<210> 8735
<211> 460
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050c07b1

<400> 8735

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gccaaatcct agtgcactta ccgagccttt gcatccgcga atgcctttaa acattggtcg 180

aagcaactgg attgaccaac acttagttaa tcaagaagta tctcagagga atgtcagagc 240

acgccatgat agtgctaata tttcattgga agctaggcca gcttcaactt acacaccaag 300

tagcaatcat cagctgccat tccattcaac cacaagtgct tttgcaagta cgtcagcagg 360

aaggaaccaa gcacctttt ctgtgccaac aagaacatta ccttcaggtg gcactgggat 420

cactggtagg atctaccatc atcctatgca tagcagcagc 460

<210> 8736
<211> 493
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050c08b1

<400> 8736

tttcgcgtcc ggctccgccc ggtgtcgacg gacaccggcg gcggcccgct cgtcgtgcgg 60

aaggtgagct acaccgacgg ccggagcaac gtcatcgtcg agtaccccgg caccgtcccc 120

ggccgcgtcg tctccttcgt cggcatgcac atggacgtcg ttccggccaa ccctagcgaa 180

tgggacttcg atcccttctc actaaccttc gaaggtgatg acaaggaaaa gcttaggggc 240

cgtgggacga cggactgcct tggtcatgtg gcgctagtga ctcagctcat gcggcggctt 300

ggtgaggtga aaccaccatt gaagcattct gtcattgtgg tgtttattgc caatgaagag 360

aattcatcgg tcactggcat tggtgttgat ggtcttgtca aggatggttt gctggataag 420

ctcaagactg gacccttgtt ttggatagat actgcggata agcagccatg cattggtact 480

ggtgggatga tcc 493

<210> 8737
<211> 430
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050c09b1

<400> 8737

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gtctagtgct aaaagaaacg attttggatt tgtcaacttc tcaacccatg aggaggctct 120

tgcttgtatt gaagccacca acaacaccga gctgggtgat gatggaaaag caaagctaaa 180

agtaagggtt agactttcaa acccctttacc taaaagtcag gctgtgaaag gtgaaatgag 240

tggcgggttt cgaattggac atcctggatc tggttttaac aggcctggta gaggttttaa 300

tagggacaga gctgcccctc gccgggaagg tttccatggt gataggggtt tcaataatca 360

cactcctggt cgtggtgcga gatttaattc tgcatacagt aacaacagtt ttgaagcttc 420

gccctctgat 430

<210> 8738
<211> 429
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050c10b1

<400> 8738

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gacggcctgt cttcttcttc ctcctacgcc tcctctttct acgccatgag gcagtgcagg 120

atttgccacg aggaggagga cgagagctgc gcggcaatgg agtctccctg cgcatgctcc 180

ggctctctca agtatgcgca caggggtgt gtgcagaggt ggtgcgacga gaaggggagc 240

accctctgcg agatttgcct tcagggtttc gagccaggct acacagtccc tcccaagaaa 300

gctccggccg ttgaggtgct ggttactgtc agcgaggatg aggatgagga ggaggagctg 360

gacgggcacc agggcatgca gtatgcgccg tcagacgggc cgatggacgg cccggacgcc 420

gtcggctgc 429

<210> 8739
<211> 434

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050c11b1

<400> 8739

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atccctggag gaggtggaca tgctgcagct gtctttccgg gactcgtcgg caaccacggt 120

gtcgccgggc tcagtcgccc aggcctcgcc ggacagcgtc aagtaccccg aggacatgtg 180

gtcacggacc cattcgccgg aagccgagta caaagaggat gacgagacgg gaacaccccg 240

agaagccgaa gaggccgagg cgaagatcgt cgaaggggag gggagcagca tcgacatgag 300

cgacgacgat gacgatgacc gctcctcgag cagcaagaag aagatgatcg cggcaccggt 360

gtatgacgcc gaattcgccg ttgagaacag cttggagcat tcggagaagg aaattatcac 420

cataaacgat catt 434

<210> 8740
<211> 415
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050c12b1

<400> 8740

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aatcggttgt tctatacgaa caatcctgga gatgctttgg tctcacgtgc tgctgatatt 180

gcaaaatttc aactggaaat agatagttca tctggcaact ttggtgcaac atcttctctc 240

catagatgtg catctgatga cttccatttc tcgttttggt taggagttcc cacgatggga 300

tggttacaaa cttaaagtcc aagtgactat aaaagaaaca acaaaaacat agtaaaatgt 360

ataaaattac gcagctttcc ccccaccact ggtgggggggt tttggagctg acccc 415

<210> 8741
<211> 425
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050d01b1

<400> 8741

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ctgctggcgg cagtgattgc tcccgtccat gcctatggca agcttaaggt cgggttctac 120

aggcaatcat gccccgacgc cgaggccatt gttcgcagga tcgtcaccat ggctgtggaa 180

gatgacctaa cggtcaccgc gccgctgcta aggctccact tccatgattg cttcgtcagg 240

ggttgcgatg gatcggtgct gctcaactca accaagacca acatcgcgga gagggacgcc 300

aagccgaacc tcaccctgga cgccttcaac gtgatcgacg ccatcaagga gaagctggag 360

aagaagtgcc cgggcaccgt ctcctgcgca gacatcctcg ccgtcgccgc cagagacgcg 420

gtctc 425

<210> 8742
<211> 417
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050d02b1

<400> 8742

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acctcgcgag ttcgtcctca ccctccggcc gagcacaccc cagctcctcc ggccgcgcac 120

ccgagcccgt cgacaacgcg agctcctcct cacccgccag ctgggcgctc cgcctcgcga 180

gctccgccgg tcacgcaccg ctcatccccg aactcgctcg tgtgcctccc cgtggcgccg 240

aagcgaatca gctcccgagg gcggctgggc cggacggcag cgcggctaag cagggcctgg 300

cggcggcgcg acgagcaggc cgggcggcgc cgcggcgggg gttgggctgg atggcggggc 360

gagcagggta ctacagtgga gaagaagggc cggattgctt tttagtttta tgtttta 417

<210> 8743
<211> 409
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050d03b1

<400> 8743

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tagagccgac atgatggcgg aggcgtggat ggacgtgctg ccgccgccgg cgccctactt 120

cgccgggcag ccgtgttggg ccgtgcagca ggagcgtcgc ggaggcggcg cctggacgct 180

ggaggagaac aaggtgttcg aggaggcgct cgcggcgatc gacctggacg cgccggaccg 240

gtgggagatg gtcgcgctga tgttgcccag gaagacggtc gccgacgtgg tgaaccacta 300

ccgggccctc gagaacgacg tcgggttcat cgaggccggg ctggtcccgt tccctcacta 360

cgacagctcg tccccttcgt ccgggttcac tctggactgg gacgggggc 409

<210> 8744
<211> 457
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050d04b1

<400> 8744

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cgatggccgt cgacgactcg tcggagaccg accagctcga ctccatgtcc acggaggaca 180

tcgttcgggc cacccgcctc ctcgacaacg aggtccgcgt cctcaaggac gagctgcagc 240

ggaacaacct ggagctcgag aacgtcaagg acaagatcaa ggagaatcag gagaaaataa 300

agctcaacaa gcagctgccc tacctcgtcg gcaacatcgt cgagattttg gaaatgaacc 360

ctgaagatga ggctgaagag gatggtgcta atatagatct ggactcacag aggaaaggaa 420

aatgtgttgt tcttaagaca tccacaagac agactat 457

<210> 8745
<211> 393
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050d05b1

<400> 8745

cttttgtgtc atcgtgctct ggttcccgct cggcattgag ccgtgtgaca tcaagtacag 60

gaccgagacg tgcgcgacga tccagctcac gcgcgcggcc aacatccggt gcggagacaa 120

accattcaac ggcatgtgga acccgcccga gtggtaccac tggtcggccg gcatcaagga 180

agtccagtgc ttccgcgagc ccgtactcgc gcactgggtg tcgtactttc tcttttactt 240

ggccgagttc atctcgatca tgctgggctt catgtactat ctcggcatgt ggaagcccgt 300

gcgtcgtggt gcccagtacc tcaaggattt tgcaccgcac ttcccgccgt ccaagtggcc 360

aaccgtcgac attttgctct gtcactacgc tga 393

<210> 8746
<211> 426
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050d06b1

<400> 8746

gcgccttcac ctccgcgact cgacacgcac agccgcgtgc cagcccacct caatctcacc 60

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cggcggctcc gcctccccca gcaccgccgc ggagtcgcag ccctccctgc tcgccgactg 180

gaactcctac gcagccaccc ggtcggacgt ctcctcctcc tccccccctcc cgttcgacat 240

cgaggccgcc gtccgctcgg ccaacgacac cgtctccggc accttcaatg tggtgtccaa 300

gggcgtgcgg gagctgccgg ggagcttcca gggcgccacc agcagcttcc cctcggggaa 360

ggcgctcacg tacttcgggc tcttcctcgc caccggcatc ttcttcgtct tcatcgcctt 420

cacgct 426

<210> 8747
<211> 452
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050d07b1

<400> 8747

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tgaagttggt cggctactgt cacgaaggtc aaaagaaagt ggtgctgaac aacggaagat 120

atattgtggc tgacattgtt gaaagtttac tttgccatga gtacttacca ctgggaagcc 180

ttcagaaaca tctttttgaa gtacatacaa aaatggactg gaacatacgc ttcaacataa 240

ttaaggggat ttgcaatggt ttgcactttg tacacagcat tcctattgtc catatggatc 300

tcaagccgga aaacatactg ttggatgata acatggtgcc gaaaatcgcc gatttcggtc 360

tctccagact ctttggtcaa gaacaaacac ggatgaacac acagaatgtt gttgggtcat 420

atggatacat agctccggaa tatctataca ga 452

<210> 8748
<211> 377
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050d08b1

<400> 8748

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gcgtcctcgc cggtgtttag caacagagat ggcgtgcgcc gagtcctccg cgaggagagc 120

ttgtaagcag gaggcatgct tcacagtgcc ggctgcacgc aggtcagatg tcggtttgga 180

gaggagctcg gcggagctgc gccgtcatgt ccgccaccag caagcttcag tcggtgggtg 240

cgacggcagt cggcggcgcc attggggcgc aaggaaggtg atcatgtttt tattgagttc 300

ttctctgcca agaggaacaa cagggacaca agccttatct aactatagta cattttcttt 360

atgtatagat gattcac 377

<210> 8749
<211> 434
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050d09b1

<400> 8749

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gcagcatgga tttcgaactc cgtgttatcg aagctatcac aaacaacttt gcagatgatc 120

agatagttgg cagcggtgga tacggagttg tttacagggc gacccatgaa ggggaagaaa 180

ttgccgtgaa gaagcttcgt caactgccag gactcgatga taagcaattc gacagcgagt 240

tccgcaacct tcgtaacatt cgccaccaaa atgttgtgcg gctaattggc tactgctacg 300

agtctcggca tagatacatg gatcacaacg gggaccttgt tttcgctcaa ctaatggagc 360

gagtgctctg cttcgaatat atgcacggcg gaagcctcga tgaacatatt caagataaat 420

cttgtgaact tgag 434

<210> 8750
<211> 353
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050d11b1

<400> 8750

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ttcacattat acgattgcca aagggtagca cttattctga tttgatcgac gacttaaaat 120

caaaggttca gctatctcga agtgatgctg agcttaggct atttcaggtc aacaataaca 180

agatatggaa ggtgtacctg cctactgaga aaatagatgc agttcatgat ccaaatgtac 240

ctcttcatgt tgaggagatt cctgaagtag agaaaagtgc cggtccgcga gaccgtttgg 300

ttcatgtcgt ccacttcttc aaagataacc agcacattca atacttatgg act 353

<210> 8751
<211> 457
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050d12b1

<400> 8751

tatctcaaac agaaaaacag gagagagaaa aaatcagatg gcatcaccct cttccttcct 60

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cctgcaggac ttttgtgtcg ccgacatgaa ttcaccagta cgtgtcaatg ggtttgtttg 180

caagaaccca atggaggtca acgctgacaa cttcttcaag gcagccgcgc tcgacaagcc 240

tagggtgacc aacaaggttg gatccaacgt cactttgatc aacgtcatgc agattgctgg 300

actcaacacc ctcggcatct caattgtgcg catcgactat gctcccttgg gtcaaaaccc 360

accacatacg caccctcgcg ccactgagat cctcacggtg ctcgagggga cactgtacgt 420

tggctttgtc acatccaacc agcccgcccc aaacaga 457

<210> 8752
<211> 374

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050e01b1

<400> 8752

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agcttctgtc ggattcgttc ccttacaggg agctggagaa cggcgtgctc tgggaagtcg 180

atggccattg ggtcgttcaa ggagcagttg atgtggacat tggagccaat ccctctgctg 240

agggtggtgg tgatgatgaa gggtgttgat gaccaggccg tgaaggtggt tgacattgtt 300

gacaccttcc gtcttcagga gcaacctgct tttgacaaga agcagtttat ctctcacatg 360

aagcgctaca tcaa 374

<210> 8753
<211> 370
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050e02b1

<400> 8753

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caatgaatgt gacaacgatg gctccagctc ttaccaagag acttgtagtg atgacagaga 180

actgagtttc gactatgaaa taaatgatag agaccaagat tttattgctt cgagaggttc 240

aatggatttg gataaaggag acctgaggac ttccccaacg ccaataaaag agatcaagca 300

ggaagaggtg aagctactga aggcagaagc agcagctcca caagtgaagc ctgagatcat 360

cacacattca 370

<210> 8754
<211> 400
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050e03b1

<400> 8754

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catgaggttt ccactgacta gtacggccgc ggttctaact agctgttgcg tggcgtcgcc 120

ttcttaagcc aaggccaagc aagggaccgc cggggcgcga gcgcgcggat ggcggccagg 180

cactcgtacc cgcccacgcg ggccacgcgg agcgcgccgg cgcctcggcc gccattgtcc 240

cgcctcgggg agtcggagac ggcggcggcc caccccggcg ccgacccgga ggcgcgccgc 300

aaggccaaga agcagaacca gctgtggccc aagacggtgc tgcgcaagtg gctcaacatc 360

cggtcgccgg actccgactt cagcgccgac gagggcgaca 400

<210> 8755
<211> 447
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050e04b1

<400> 8755

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gccgccgccg cgggggccag gcgcgtcctc ctctcgcgcg gcccctcctc cctctccttc 180

gcctcccgcc gcctcgcgtc cgcgggcccc cctccgcgcc gggcccctgc cccgcgcggc 240

gactcgggcc ctctccgcga ccgcgtcccc ggccgccaca acgaccatcg cggtcggcga 300

ccggctcccc gacgcgacgc tgtcctactt cgacgccccc gacggcgagc tgaagacggt 360

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cacgcccacc tgcacccaga agcacct 447

<210> 8756
<211> 70
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050e06b1

<400> 8756

gagtccgtct ctttttaaaa aaaaaaaaaa aaaaaaaaaa aaagaaagat aaaaaaaaaa 60

aataaaagga 70

<210> 8757
<211> 271
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050e07b1

<400> 8757

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gagaggggga ggggacgagg agatcgaggg agagagggag gcgacgcgat ggcgcgggag 180

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cgtcggggcc tcttcaagaa ggccgaggag c 271

<210> 8758
<211> 445
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050e08b1

<400> 8758

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gagccagtgc cgccgcctcg tcctcatcgc cgtcgccgcc ttcctcttct tccacccctа 180

gcttctccag aggcggccga gtcgccgagt cgccatggag gcctacaagg tctgggtgcg 240

gaagaaccgg gacctcgtcc gctccctcga gtccctcgcc aacggggtga catggatact 300

tcctgagcgc ttcgctaact ccgagattgc cccggaagca gtatatgcac ttctgggcat 360

tgtaagttct gtcaaccagc atataattga gacaccaact gatggtcact cactggcctc 420

caaggaacaa tctatcccat gggct 445

<210> 8759
<211> 446
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050e09b1

<400> 8759

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gtgaagagat tgcatccaaa atcagtacaa ttgctcggtg gagagaaggt ttggtggcta 180

aatgccttga aatgcttcct gaggtccaga gggatgtgag gtccatcagc agcggggacc 240

aaagtcagtt tgccatccga accatgcaaa tgtcttctcc agttaatcct gttgtcaaat 300

cagccagtcc taccattgga ttgagctcgt ccttcacccc tgctcttcag aataaatcaa 360

accctctcca ctccaggaat atccatgggc tgactgattc tggtgctctt atcggtagtg 420

tccgttcaga gtttggcaga aaggtt 446

<210> 8760
<211> 409
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050e10b1

<400> 8760

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cacccaccac cgccgtgaga ctagcaccac gagcgagctc ggccgattcc gattccgtct 120

gcgctattaa ggtttgtttg gaggaagggg aggagtctcg gaggtggagc tgaggagaga 180

gaccggagat ggcggcttcc gcgaggcagg gggagagggc gaccagcttc gccatggcct 240

gcagcctgct cagccgctac gtccgccaga acggcgccgc cgccgccgag ctcggcctcg 300

gaatcaacaa gggtgaggcc gaggcacaga gggcggcgga cacgaagagc cctttgcccg 360

gagcggaggg cgaggaggcg ggtaggaaga aggagaccat ggagctgtt 409

<210> 8761
<211> 503
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050e11b1

<400> 8761

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cgagatcctc gagaccatcg ccacgctgct caatgccaat gtgacaccgt gcctgccgct 120

ccggggcacc atcaccgctt ccggcgatct cgtcccgctc tcctacatcg cgggacttgt 180

caccggccgc ccgaatgccg tggccgtggc tcctgatggc acaaaagtta atgctgccga 240

ggcatttaag atcgccggta tccaacacgg cttcttcgag ctacagccca aggaaggcct 300

tgctatggtt aatggcacgg cggtgggctc cgggctcgcg tccattgttc tctgtgaagc 360

aaacatcctt ggtgtccttg ctgaagcttt gtcggctgtg ttctgcgaag tgatgaacgg 420

taagccagag tacaccgacc acctgacaca caagttgaag caccaccccg gacagatcga 480

ggctgcagcc atcatggagc aca 503

<210> 8762
<211> 387
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050e12b1

<400> 8762

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gcggcaaagt tcttttattt gctattgttc atagtttcaa gcttcaacta cttgacattg 180

tttggcatga tgctggtatc attgaccccg tcttccatgc tcgcaaacat actgatatcg 240

tttgtactcc ctctttggaa cctgtttgct gggttcctcg tcgtcagacc gttgataccg 300

atctggtgga ggtggtacta ctgggccaac cctgtgtcat ggaccatcta cggcgtggtg 360

gcgtcgcagt ttggcgacaa caagagt 387

<210> 8763
<211> 474
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050f01b1

<400> 8763

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ttttaagggt accacagtcg atcagacatg cagatccgtg acatatcgat gttgtctttg 120

tggggtgtca tcaaattcgt tccagttgtt gcccactgaa gagcaagaaa gggaaaaacc 180

ttgtgtgaaa aattcaaact tgaacttacc tgccgaggaa tgtgctgctg cttttgtatt 240

tttcaaaacg cggtatgcag cgctaattgt atccaaaatt ctccagacat ccaatcctat 300

gaaatgggtc actagtctgg ccccagaacc taaagacatg tactggtcaa atctttggtt 360

accgtacaag cagctttgga ttcgccgcat agctacactt cttggttcta ttgtttttat 420

gttcattatt cttgtacctg tgacatttat acaaggtcta actcagctgg aaca 474

<210> 8764
<211> 451
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050f02b1

<400> 8764

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gaagaattga gttcccaact tggggagcta ttcgaggaag atcaactcta caggattgac 120

cactacttgg gaaaagagtt ggtccaaaac ttgcttgtgc ttcgttttgc gaaccgtttg 180

ttcttaccac tttggaaccg tgacaatgtt gataatatac agattgtatt cagggaggac 240

ttcggaactg atggacgtgg aggatatttt gatcaatatg gaatcatccg tgatatcatt 300

cagaaccatt tgttgcaggt tttctgtttg gttgcaatgg aaaagcctgt atctcttaag 360

cctgagcaca tcagagatga gaaagtcaag gttctgcaat ccgtgaaccc gataaaggac 420

gaagaggtag tccttggaca atatcagggc t 451

<210> 8765
<211> 358
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050f03b1

<400> 8765

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caaacgagac cttgctagca aagctctact tgacaacttc aaattgtaag atggttcaag 120

cgtcaccata caatgtttaa acctgtgtac atgccagtat gtaaccatct cagcgcaaac 180

gtcgtcctgt gagagtgaaa tgcaattatt ctacctcatg tggtttctcc atagtgcctc 240

ccaacataaa gctagtattt tttccaccgt gtaatcatca tattcttgtt gtctcagtgg 300

gctgtcttat ggagctgagt gtggcctcaa ggctgttagt cttcacacat cgttgaac 358

<210> 8766
<211> 455
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050f04b1

<400> 8766

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cccgaggacg ccgaccccga ggagttccac atccgcaccc tcgcccccgt cctcggcagc 180

gaggagaagg ccaggggcgc cgtcctctac cactacaagc acgccgccag cggattctcc 240

gcaaagctca ccaccgagca ggtcgaggac ctcaagaagc aaccaggtgt ccttcaggtt 300

gtgccgagcc agacctacca gctccatgga catgagggtg gacatgccag cacaacgcgc 360

acaatgggcc ttatgtgaaa gccttgagta ggctctgttc ttctaatatg ggaatggttg 420

catctcatgg ctgtaaccta agaataagag atgta 455

<210> 8767
<211> 453
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050f05b1

<400> 8767

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atgacatatt cagtgaagtg ggtgcaaaca aatgtggcat ttgcacggcg ttttgaagtt 120

tacttggact acccgttctt cgaacaccag attcattggt tctccatctt caattctttc 180

atgatggtca ttttcttaac tggtttagta tcaatgatat tgatgagaac cctgagaaat 240

gattatgcaa aatatgctcg tgaagatgat gatcttgagt cacttgaaag ggatgttagt 300

gaggaatctg gatggaagct tgttcatgga gatgtatttc gacctccacg caacctaatg 360

tttctgtctg ctgttgttgg cattggcact cagatggcag ctcttatcct gcttgttatt 420

gtacttgcca ttgttggtat gctttatgtt gga 453

<210> 8768
<211> 293
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050f06b1

<400> 8768

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tcccgtcggt gcactcacat tgtacactga aggcagggct ttttgtatat taaaattagc 180

attagaccct tcatgataag aaaccatggc accaggatgc atggcataga aaatagcagc 240

attgtatgcc ggggcatgga tgttcaatgt tgtaacttcg gttggcataa tca 293

<210> 8769
<211> 445
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050f07b1

<400> 8769

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aggtggtgga ggacgaggcg tcggcggcgg cgatgctcgc caacggggcc gcggacgtcc 120

gccggaggag ggaccaggcc aaggcgatgc tgtcgaagca ggccgtcaag atcgccacca 180

aggcagagga gcacgagcgc ttcatcttca aggtcacaca cctgatgggt gttcttggat 240

ttgggacatt ttgctacctc ttgggtgcta gaccacagga tgtgccgtat gtgtattgcc 300

tgttctatgt catatttgtt cctctcaggt ggatctacta tcgctacaag aagtggcact 360

actatcttct ggatttctgc tactatgcca acacttttct ccttgttatg attctctttt 420

atccaaagga tgaaaagctt ttcat 445

<210> 8770
<211> 400

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050f09b1

<400> 8770

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ctccaccata ttaatttgca tctctgtggt gttggcgatg ccatcaagcg ccagggagga 120

agatcgtaac gcacccgttg tgaggaatgc tgctcctcca ctggttgcct cagaagccaa 180

gatgattgtg gccataggcc atgaccattg ccagcagttg aaggatgtgt tgagcaagga 240

ggatccttcg accatggtag tggtgatggc ctcaagcaac cagactccta agccgcccaa 300

gcctcgctcg ccggtcatgg attccagact gctagcagtg gcctgctctg gttcgtggaa 360

gaaactgcaa tcatttctca gtggggaaga ccgtcaaacc 400

<210> 8771
<211> 445
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050f10b1

<400> 8771

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acagttccac cttgccttca gcttctatga gggtgttcgt gctcgcaaca tctgcccttc 180

tgtgccatcc tatgagaggc gcttcaccac aagctgctac atgactcaga accttggcat 240

cagtgtcccc atgatgtcat cttctccatt gtttgccaat gcaccacctg agaagaaagg 300

tgtcaagaac tttgcaattg acttcctcat gggaggagtg tccgctgcag tttccaagac 360

tgctgcagct cctattgagc gtgttaagct gcttatccag aaccaggatg agatgatcaa 420

ggctggcagg ctctctgagc catac 445

<210> 8772
<211> 466
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050f11b1

<400> 8772

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gcaacagcta tcgccaatgt ggcctcaatg gtttcaaatg tccctgtggt gggggacttt 180

gcacgagcta ctgaaatggg agcccgagcg ataggaggta tagccaaact ttttggttat 240

tccaatccac caatgattga cgacgtccaa cctatgcaga ataaggcatt tcatgcattt 300

gcaaatgttg agacgcgtgt tcctatagac aaactttgtc tggatcccaa aaatgaagtt 360

tccatttcgc ctgctattgc gggcgttgat gaggaagacc ctttggtgat ttcagatctc 420

tgttgtcgag agagttatat caacgctttc aattggacag gagcac 466

<210> 8773
<211> 363
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050f12b1

<400> 8773

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gaccaagtgg tcgcaccgat ccagcgagcc cgcggggccg tcgaattcgg ctgcagcgca 180

tcagcagcag caggcgccat cgtctccatc ggcgccgtct cctcctcctc ccgtggcgtc 240

gacagaggcg gcaggggatg agttcatttt gcaggaggaa gagtaccaga tgcagctggc 300

gttggcgcta tcagcgtcgg cgtcgggcgc cgaggaagct ggggatcccg acggggagca 360

gat 363

<210> 8774
<211> 426
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050g01b1

<400> 8774

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agaaacaata atgttaccca acactcgcca tctgattcgg ctgcttacca tcctcttctt 120

tgtgatctgc ttctgccgac tttcatcctc gcgcgactca cactgcaccg gagtccacga 180

cccgcgtaaa cccccaatgt tattctgccc accatgctgc tcataggaag ggtaccggtt 240

ctagataacg gaatgtgcgt atatatggat ggcggcttgt cttagaggca tctgtcgctc 300

atagttttct ccaagaccat tgctcatgaa atcttctact gcctataaat ataaatggag 360

tgttcatcat tcttcagaag tatttatgta ctttccacat gtgtaatcct ttcaatcaat 420

tacaac 426

<210> 8775
<211> 422
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050g02b1

<400> 8775

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ttgttcagat ctcctacgcc attggtgtgc ctgagccctt atctgtcttc gttgactctt 120

atggtactgg caagatcccc gataaggaga tcctcaagat tgtgaaggag aactttgact 180

tcaggcctgg gatgatcagc atcaaccttg acttgaagaa gggtggcaac agattcatca 240

agacggctgc ttatggccac tttggccgtg aggatgctga cttcacctgg gaggttgtga 300

agcccctcaa gtttgacaag gcctctgctt gagacgtggg tatgaaggag tctatcatta 360

ctgctgctgc cgctggtggt tgtatcttgg ataattgaat tccttctcta tagaaggaag 420

ca 422

<210> 8776
<211> 426
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050g04b1

<400> 8776

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aagtgctgca acaactgcag gtccttctcg ggggtcgacg tctgcgacga cgcacacccc 180

cagtgcccca agggctgctc ggcctgccgc gtggtgacgc cgagccctca caagacgttc 240

cggtgcgccg acatgaagag caccgtcgac ggcacctgcg gcgggccatg caagaagcac 300

tgatccgttc agggcttcag gctcagacgt ggtgtgccgt ctaaaataaa gctcagatga 360

tgagccagct tgtcacagtg tttgtgcgtg cctgtggctc caccttgcat accgacaata 420

tataca 426

<210> 8777
<211> 319
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050g06b1

<400> 8777

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cggggaggcg atccggcgac cggaggagag cccgccatgg cgcggaagca cggctggcag 120

ctcccggccc acaccctgca gatcgttgca attactgtat tcttccttct ggtggttgca 180

ttttatgcct tctttgcacc atttctggga acgcaagtcc ttgagtatgt tgcgataggc 240

atttatactc ccatggcatt ggctgtcttc atcctttaca tccggtgcac aagtattaat 300

cctgctgatc ctggtatca 319

<210> 8778
<211> 399
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050g08b1

<400> 8778

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gcggccttct ggacgacaat cgcgccaaac gtagacgact acagctcgtc ggtggcgagg 120

cttatcgcca agggctcggg gcagctggta aggggcatca tctggtgcgg ggacatcaca 180

gcctccggcc tgaaatgcgg ggaggcggtg ttgaagaagg gtgcgggggc gaacggcaag 240

catacgcagg tgaagccgag ctccctcaag aggatgaaga gggccagaag ggtcactaaa 300

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accagcactg tggtcaactc caaacctgca cagaagttc 399

<210> 8779
<211> 462
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050g10b1

<400> 8779

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taccaaagct gcttttaacc aaggtacaag tacatatgtt cttaatttct acaggcatgc 120

aatagccaca atgttcttac tgcccattgc ttttgcgatt gaaaggtatg ccgagttttg 180

gcttcttagt tacctagttc tggatgtcat ctaggaagca tgcactgaga tttattttgc 240

aggaaaactg ccccacaaat gtcatacaaa ctctgtgtga agctatttgt gcatgcatta 300

tatgggatgt ctgctccttt taacatatca tgtgttggcc tcaaatatgc ttcagcagct 360

tctgcttctg cagtaataaa tctcctgcca gttttaactt ttattttggc tcttctgttg 420

ggaatggagt ctttgcaatt aaagcgcttc catgggatta tg 462

<210> 8780
<211> 487
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050g11b1

<400> 8780

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gtaacacatt atacacatag tacaaacata cgtagattat cccaagttat tagtaatgtc 180

ccaacactgc aaataacagt ttttacctgt aactgcatct gtggtatggt tttaaatgcg 240

ggaccagtcc ttaaaatgta catccacagt ccctttttgtg cctatattcc gcacatcacc 300

cttataaatt cttctggcca cagaatcaat cccaaagtta ttaataatga ctcaacactg 360

caaataacag ttttcgcctg tcattgtgat tgtgatctgg tttcaaatat gatattagtc 420

cttaaatata catccgcata attttgttat tagccctctc gtgcatatat gctgcacatc 480

attcttc 487

<210> 8781
<211> 351
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050g12b1

<400> 8781

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gccggccagc cggtgtggaa cgacaacgag gcgctcaccg tcggcccgcg cgggcccatc 180

ctgctggagg actaccacct gctggagaag atcgcccact tcgcgcgcga gcgcatgccg 240

gagcgcgtcg tccacgccag gggcgccttc ggcaagggct tcttcgagtg cacccacgac 300

gtcaccggcc tcacctgcgc cgacttactc cgcgcgcccg gtgcgcgcac c 351

<210> 8782
<211> 339
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050h01b1

<400> 8782

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acctcgtcgc ccccgcgcag gcgtgctccg tcgtcgtcgt cgtcgcggcc gtcaaaggag 120

aacgattcca cacggagttg ctgtttttat ccgagaagcc cggatactcg ggattgcgcg 180

ggggaggcag cggtccattc ctgcggtcga ctcggttctt gataggctag taaaaagaga 240

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gctttcgtgg agggcggcgt gcatgacgcc tgcgacgac 339

<210> 8783
<211> 128
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050h02b1

<400> 8783

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agtgctctgc tttccttcga ggccccctggt cagaggtgtc cctgctttgg gtatgcgaag 120

aataaatg 128

<210> 8784
<211> 434
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050h03b1

<400> 8784

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ttcgcacctg ccaggggagg ttacagggag accatgttct ccccagttgg cgctggattc 180

ccgtcgctgc aacaaatgtg caatgcaatg aacagaagga accctatggt ccaggtttcc 240

gcttcctatg atgctacaaa tgatcggatg aggaaccgca gacatgatgg aaacactgtc 300

cagccagaaa acaaaaggct atttgagctt gacattgaac gcatagctta gggtgaagac 360

ccacgcacca cactgatgat caaaaacatt ccgaacaagt acaactgtaa actgcttctg 420

ggtgtcattg atga 434

<210> 8785
<211> 449
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050h04b1

<400> 8785

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gcaggcctga gtgggtcggc gggctatcag atttctggga cagcataacc attgcatact 180

tgtcaatttt ctgcagctgc tgtgttttcg ggtggaatgt tcagaggctt gggttcggca 240

acatgtacgt ccacattgca acattcctgc tcttttgcct ggctccgttc ttcatcttca 300

acctggcagc agtcaacatc aacaacgaaa ccctgcgaga ggcgctgggg ctcaccggca 360

tcgcgctgtg cttcttcggt ttgctgtacg gcggcttctg gagaatacag atgaggaaga 420

gattcaacct ccctgggaac cccttctgc 449

<210> 8786
<211> 402
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050h08b1

<400> 8786

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cggagaagtt caggacggcg gctgtgaggg cggaggcggt ggacacgtcc atcagcccgc 180

gtgtgagcgc gctgcggccg tccaagacca tggccatcac cgacatggtc agcgcgctgc 240

ggcaggccgg ggtgcccgtc atcggactcg ccgctgggga gcccgacttc gacacgccgg 300

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atgcagggac tatggaggct gggaaagcta tctgcaacaa gc 402

<210> 8787
<211> 420
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050h09b1

<400> 8787

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gagaagttga ggcatacaag gagaaatcag cgagtctcga ggctttatta gcagaagcaa 120

accaaaaaga ggatgagttg tcagggaagt tggctcaagc taatgaagag aaggagaagt 180

atgaagaatt gtcaaacaag gccaccacag cgcatttgga agccgagaag caggtccaga 240

ctttacaggc tgatctagaa tctgcccggg gtaaaatgga agaggtggag aatgatcttc 300

aggccctggg tgttagagaa agctcagtac ttgacaagct taaatctgca gaggagcatc 360

ttgagcacag tgtaagggca ctagaacatg ccacttacaa gaaaattgat ctggaatctc 420

<210> 8788
<211> 432
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050h10b1

<400> 8788

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gcgttttctt gtactggatg aagttgacca gctcttatca tgtaattacc gcgaggatat 120

gcataggata ctggagcatg ttggaaggaa acctagcact tcatcttcta gtcacatcct 180

tggaccactt gctaggcggt gtgaacgtca gacaatcttg gttccagcaa cagtgccgtt 240

ttcagctata cgcgcaacca ggagtcgggg ccatgatcca gatcttgtta gggctaatag 300

tgtacgtccg cttgactaga tcactgttcc aaggccgatg ctgtcccagg gtgaccctaa 360

ctgtgattct gcaacaatgt cagagaatca agctgcagtt gacagcttac caccatcctt 420

ggagcattac ta 432

<210> 8789
<211> 376
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051a01b1

<400> 8789

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actgcggcgg gcggccgatg ccgccgcagc ccacggtgaa gatctactgc cgcgccaacc 180

ccaactacgc catgtccgtg cgcaacggca aggtggtgct ggcgccggac aaccccaagg 240

acgactacca gcactggatc aaggacatga ggtggagcac cagcatcaag gacgaggagg 300

gctaccccga cttcgccatg gtgaacaagg ccaccgggca ggccatcaag cactccctcg 360

gccagtcaca ccctgt 376

<210> 8790
<211> 373
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051a02b1

<400> 8790

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gagagatata tagaagtaga aagatctcag ctgcaaacgg ggagtagtga tagtctagat 120

tctagaggac atggcggcac ttgtcactcc ggctgcttca gtggtgtccg ggctggtggt 180

gcggggccgg gagtccgccg ccctcctcga ggccttgctc caggggggct cgccgcagga 240

gcacggtggg atccgggagc tcgccgcgga gatccttctc tgctgcgacc gcgcactcgc 300

cgcgctccac ggccgcgacg gcgtgcacgc ggacgcgctc gccagcagga agcgcaagtc 360

gtctgagccc gac 373

<210> 8791
<211> 409
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051a03b1

<400> 8791

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agggaggatg cagaggtaca ccactaggga catatgggag atggaggacc gccagagccc 120

gcgcatgggg tgcagcgtcg tcctcggcgt tgacggcggc gccagcaaca ccgtctgcgt 180

ctgcatcccg gccgtcatgc ccttcgccga cccgctcccc gtcctcgccc gcgccgtcgc 240

cggatgctcc aaccagaact ccgtaggaga ggacaaggcg agggagacgc tggagcgagt 300

gatggcgcat gctctccaca aggctcgccg gagacgatca aacgtgagcg cggtctgctt 360

ggccgtagcc ggcgtcaacc accccatcga ccagcacaga atgctggac 409

<210> 8792
<211> 364
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051a04b1

<400> 8792

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gaccatttcg gttggcattg ttgtgcttgc cacacttgtt ttggcatccg agggtcgcat 180

tgcccggaag gacttaggcc taaaccttgg tggtgtaggc ttggggaccg atacaggtgt 240

caatataggg ggtaacattg gcataggtgg tgccggctct gcatcggggt ctggttctgc 300

gtctggatca gggtcgggat cagcctctgg ttcggggtct ggctcggggt ctggttcggg 360

cgct 364

<210> 8793
<211> 311
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051a05b1

<400> 8793

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gtgcggcaag ggcaaggtct ggctcgaccc caatgaggtc aacgagatct ccatggccaa 120

ctcccggcag aacatccgga agctggtaaa ggatggtttc atcatcagga agcctcagaa 180

gatccactcc aggtctcgtg caaggagggc acatgaggcc aagcagaagg gccgtcactc 240

tggatatggt aagcgtaggg gtaccaggga ggctaggctc cccaccaaga tcctgtggat 300

gcggaggatg c 311

<210> 8794
<211> 405
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051a06b1

<400> 8794

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gccttccagt ggactggggc agccgcgcgg aagctgaacg cggtgaagtc cccggggccg 120

ccggcggacg aggtgtcccc gcttgagtcg cggcggcggt gcgacgagga gggctcgggg 180

gggccggact cgtccccaga gtccgccgcg aagctggcac gcgcggccac cgcggcaccg 240

gagctcagcc ggcggcgaag cgcggccacg aagccctcgg gggtgaagcc gcctccacgc 300

gggcgcggcg ggcgccggtg gactggcggc ggggccttga tctcggcgcc gttcgagtcc 360

tccattcaag gggctaggtt tctctctctg accctctctc tctat 405

<210> 8795
<211> 457
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051a08b1

<400> 8795

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aaggagagtg aaatagaaaa tgggtgtcgg gaatggatca gcagacgtga accagcagac 180

ggcgcgcaat gaaatacgag atgagaccgc gccgcttctt ccggtcaagg tggaggagga 240

gggattccat gagtttaatg gagcttcatt ctccggggca gttttcaatc tctcgaccac 300

catcgttggt gctggaatca tggccttgcc agcaagcatc aagatgctgg gcctcatccc 360

tggccttctg atgatcatct ttgtggcact gctcacagag gcatccattg acatgcttat 420

caggtgcagc caccaaggaa agatcacgtc atatggg 457

<210> 8796
<211> 144
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051a09b1

<400> 8796

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ctgtgttgta ttgacaattt ggattgatgt acatacatat cagatgatcc ggtgttaccg 120

caaagaatgt ggctctagtt ttcc 144

<210> 8797
<211> 225

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051a10b1

<400> 8797

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agtggctgcc ggtgacatac cggtgcctga ggtggaggta gcctccgacg ccgacggtga 120

cacaccggcg gcgaagccgg gcaaggcgcc caaggcggcc aaggccaaga agtccactgg 180

cccgaagaag ccccgcgtca ccccggccca cccgacctac gccga 225

<210> 8798
<211> 382
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051a11b1

<400> 8798

ttgcgaaaaa cacaccagag ctcacctctc ccctcgcttc ctcgcgaaaa tgtcgactga 60

agtggctgcc gctgacatcc cggtgcctca ggtggaggta gccgccgacg ccgccgttga 120

cacaccggcg gcgaagccgg ccaaggcgcc caaggcggcc aaggccaaga agtccactgg 180

cccgaagaag ccccgcgtca ccccggccca cccgtcctac gccgaggtaa gcccccgagt 240

ccttcgccgt cgttcctcgt tccgtctgtt ctcccgtgtt tcccctgatc tgactttggt 300

tttgtccgtt cgtgcgtgct cagatggtgt cggaggcgat cgccgccctg aaggagagga 360

gcgggtcgag caccatcgcg at 382

<210> 8799
<211> 389
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051a12b1

<400> 8799

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gctaggtaag aaaaaccatg gcggcttccc gcgccttggc tgcactgctt gctgtggtgg 120

tattcatggt ctgctctccg gcgcctcgtg ttctcgccac tgaccccacc cagctccagg 180

acttctgcgt tgctgatata atgaaccctg tgattgtgaa tgggttcgtg tgcaagaaca 240

tgaagatggt aacggcgaac gacttcttct tgcccgggct taacaagccg ggcatgttga 300

acgctcaggg ctcggcggtg acaccggtga cggtgcggca gctgccgggg ctgaacacgc 360

tgggcatctc aatggcgcgc atcgacttc 389

<210> 8800
<211> 479
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051b01b1

<400> 8800

gtctagccag tagagagacg gactagacta gaccagatct cgtagcgggg tctccggccg 60

cctccccctc ccggggccag cacgccctgc cgtccgccgg cggcctgctc ggtcgtcggt 120

gagtccgtgc agcggcccga agaggcgcgt gctcgctcca agggcgaagg gggacgcgcc 180

ggatctcgcg gggcaagtgc gccagcgacc tgaggtacct tggtatggaa tgaagtgaag 240

agcgcagagt atcttggtct tactaatcaa tgcatcatat tatgtgcgca ataagatttt 300

gctatgcttt caccgtcgat gcccactggt tggatcatgc ttctgtttat gagctcattg 360

aagtaactct ctcgtagctc aaatgggcca attcctcatt tgcgtggcac acaaaacctt 420

cagctatcca tctccatatc agttggtctc tcttaatttt gtaatcttct ggaaatatg 479

<210> 8801
<211> 411
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051b02b1

<400> 8801

ttcacgcgtc cgaatccttg gacatgataa agtttgggtc ttagatggag gtttccctca 60

gtggcaagct tctggattca atattggaag cagctgccct gatgatgcag ttctgaaatc 120

caaagctgct aatattgctg ttgaaacagc ttataatggt gaattggcaa atgctgccac 180

atttcagaca gagtttcgac atcagctatt gtggacacta gaaaaggtca aacacaatgt 240

agctgctaag gctcaccaag tagttgatgc ccgagtaaag ggcagatttg atggtgtaat 300

gccagaacca agggaaggag ttagaagtgg gcatatacct ggaactaaat gtgttccgtt 360

ccctgagatg tctgatggtg cacaaacgct cctccctgca gatgagctat c 411

<210> 8802
<211> 388
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051b03b1

<400> 8802

caaaccgcaa aaaccattgg agcatcctct gtcttcctcc tctgcctcct ccttcctcta 60

cgtcttcctc ctccaccccc ttcctcatct caaccccact tcaactacag atccacctcg 120

acctcgagcg gcttcccatg gcgtcgccct ccggaaaccc taatcccaac cccaacccca 180

acgtcccctt cgagctcagc aggctcttca agcctccccc aaaccctaac caccccacaa 240

ccgtgccgac ccccactggc atcttcccgg gcgccccgcc cggcgcgccg atggtcaccg 300

ggccgccggg cccctactcc tacccgcccg ccaccccgcc cttccaccgc aaccagtacc 360

tcaactaccc caccgatccc aacgccgt 388

<210> 8803
<211> 329
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051b04b1

<400> 8803

gccttcaagt cccgggtcga cgcggcctgt cccggcaccg tgtcctgcgc cgacatcctc 60

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ggccgtcggg acgcgcgcac gacgactcag gcagcggcga acagcaacct gccgtcgccg 180

tcgtcgagcg cggccacgct gatctcggcg ttcgcgtcca aggggctgga ctcccgcgac 240

atggtggcgc tgtcgggcgc gcacacgatc ggcgcggcgc ggtgcgcgag cttccggtcg 300

cgcgtgtaca acgacagcaa catcaacgc 329

<210> 8804
<211> 326

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051b05b1

<400> 8804

tttggttgtt ggctgtggcg gcaggttccc ggtcgaaaag gacgccaaag aggaagtaaa 60

gctcttcttg ggtaatgctg gaactgcaat gcgtccattg acggcagctg tagtagctgc 120

tggtggaaat gcaacttatg tgcttgatgg agtaccaaga atgagggagc gacctattgg 180

tgacttagtt gtaggtttgc aacaactcgg cgcagatgct gattgtttcc ttggcactaa 240

ctgcccacct gttcgtatca atggcaaagg agggctacct ggtggcaagg ttaagctctc 300

tggttccatt agcagtcaat acctga 326

<210> 8805
<211> 424
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051b07b1

<400> 8805

tcgttccagg gttcgtttcc cctcggagcc gaaaccctag ccgccgccgc cgacgaccgc 60

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tgcaagcagg tgcgccgcgg caagttcctc gtcaaagccg acgacgccgt ctacgacgag 180

ctcgtcaagc tggccgacca gggcaaggat tccgagggca aggcgcttcc cgtcgacgag 240

gacctccccg gcatgggcca gttctactgc ctccactgcg atcggtactt cgcggatgag 300

accgtgaagg aggatcacta ccgctcaaag cgccacaaga aaagggtcaa gcagttgtct 360

ggaccagccc cacacacgca aatagatgcc gatctcgctg gtggaatggg aatgccggac 420

aacg 424

<210> 8806
<211> 427
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051b08b1

<400> 8806

tcgttcgccg gccgcagtcg tgcagcgatt tgcttcgcgg cgccagtcca gtctgcagtc 60

tgcatggcgt ccacggccgc gggcctctac ggccggctca acaggaccag cacgcgcgcg 120

ttcctcgcct acgtcgccgc cgggggcgtc tgcgccgccg tcctcgcctg cttcgtcgtc 180

tcctccgccg accccgccgc cgcacccaat ggcgcgcccc gcctctcctc gcgctccgcg 240

cgcgtctggc ccgatctcga gttcaactgg cggctcgtgg tggccaccgt cgtcggcttc 300

ctcggctccg cgtttggcac cgtcggcggc gtgggcggcg gcggcatctt cgtgcccctg 360

ctcaacctcg tcctcggctt cgacaccaag tccgccgccg cgctctccaa atgcatgatc 420

atggggg 427

<210> 8807
<211> 414
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051b09b1

<400> 8807

tcgttcacgc gtccgccacg cgtccgccac gcgtccgggg ggacagcatg atggataagg 60

atgaagatct gagcagcgat agtgaggacg aagaggatga ggaagaggag aatgctgggg 120

ctggccagaa gaagaagggc tggttctcct ccatgttcaa gagcattgca ggtaacaatg 180

tacttgagaa gtctgatctg caacctgcac tcaaagctct taaagataga ctgatgacaa 240

agaatgtggc tgaagaaata gcagaaaagc tttgtgaatc agtagcagct agccttgagg 300

gcaagaagct aggatccttc acaagaattt cttctactgt tcagacagct atggaggagg 360

ctctccttcg cattttaact ccaaggcgat ccattgacat attaagggat gtac 414

<210> 8808
<211> 337
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051b10b1

<400> 8808

tcgtccacgc gtccgggagc attctgtgat aacacctcag gggtgactgg agccacaagc 60

tggacatgtg tatgcactgt aatatcgcta ggtgaaccaa actccaacag cagcctgtca 120

tccagttgcg actcctcgtg ccattgccta cgagatgaaa acggcggcac agggtcatgg 180

aactgttcgt gccgctccga taaggccctt caggaagaag aagatggtgt ggtgcacagc 240

acgagttgct tcacttcctg taactgcaca tctggaaatt ctgaacaagg gaggaagcat 300

ttctctagca aaacagtcat tgcaacactc ctggtat 337

<210> 8809
<211> 282
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051b11b1

<400> 8809

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ccctctcgat ccacctgagt ttcccgacgg ccgcaccgat ctgacggtgg cggcggcaga 180

ggaggcctct agggctagag ttttggcgtg atgcagcggt ctgggcgggg tctgcagcgg 240

tcgggttcga agcgtgtgct cgaccccacc aacggcactg gc 282

<210> 8810
<211> 374
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189051b12b1

<400> 8810

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ccccacgcct ccttcttctt cctctgccgc ttgccgtgtt tgattcggga ccgaaatggc 120

attccacgac gaggcgccgc tgctgctcag gatcaacacc gccagaggcg gccacatggg 180

cggaggcgag tgcgacgagg ccgagaacca gcggtggccg ccgtggctca agccgctgct 240

ggcgaccagc ttcttcgggc aatgcaagat gcacgcggac gcccacaagt gcgagtgcaa 300

catgtactgc ctcgactgca tcaacggcgc cctctgctcc cagtgcctcg cctaccacca 360

cggncaccac gcca 374

<210> 8811
<211> 395
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189051c01b1

<400> 8811

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ggggttcttg caggtctgac ctttgtgatg gggcctctta aaatgctaaa gctctatgca 120

gtcccatatg tgatatttgt tatgtggctg gattttgtca catacttgca tcatcatggt 180

cacgaagaca aggttccctg gtatcgtgga aaggaatgga gctatctgcg cggaggattg 240

acaacacttg atcgggacta cgggttgatc aacaacatac accatgacat tggcactcat 300

gtcattcacc atcttttccc gcaaatcccg cattacaatc ttgtctaggc gactgaggca 360

gcaaagccag ttcttggcan gtactacaaa gaacc 395

<210> 8812
<211> 322
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051c02b1

<400> 8812

tgcccccgca gccgccagcg accaagagcg gcggcgaccg gtcggcgggc gactcggctc 60

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ccctgccgca cccacctccg actctggaga cggaggcgga ggatgacccc gtcgtcgtcc 180

ccgacacctc cgatgccgct tcttcggagc cctccaaggt cggcgccctt tcgacgtcgc 240

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cggtggcctc cgtggttagc gc 322

<210> 8813
<211> 408
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051c03b1

<400> 8813

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gaatgcagca tgggcagaag atcaccttcc ccggcgaggc ggatgaagcg cctgatactg 180

ttactggaga cataatcttc gtcctccagc agaaggagca ccccaaattc aagcggaagg 240

gcgatgacct cttctacgag cacaccctga ccctgaccga ggcactgtgt ggcttccagt 300

atgtcctggc tcatttggac ggcaggcagc tgctcatcaa gtccaaccct ggcgaagtcg 360

tcaagcctga ttcgttcaag gcgatcaacg acgagggcat gcccatgt 408

<210> 8814
<211> 53
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051c04b1

<400> 8814

tcctcgcgtc cgatttttt ttgttttttt tgggtgtttt ttttttttt ttt 53

<210> 8815
<211> 295
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051c05b1

<400> 8815

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aacacccgtg ggtggaagga acggtggctc tctcggagtg acacgatatc gagtcttggt 120

tctgatgtga ggagggaggt taatgccgga atcgctgctg tgtctcgcat gatggagcgg 180

ctagaaacga gggatgggag tggctctggg ccctcatcgg cttcttcgga caatgtttct 240

tctgctacaa ataatcaggg ggccgcgtcg tccaactttt gtgcttccgt aaatg 295

<210> 8816
<211> 314
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051c06b1

<400> 8816

tttttccgcc gcgatctcgt ctcgatccgc actctctatc tgagatttgg aatcgggtga 60

agcctgcagc tccagacgac aataagctcg ttttgcattc aggcagcggc aacaagaatg 120

ccttcaaggc acttattgct gcagagtact gtggggtcaa ggttgagctc cccaagaact 180

tcgagatggg tgtatcaaac aaaaacccctg aattcatcaa gatgaacccc cttgggaagg 240

ttcctgttct tgagactcct gatggtgctg tttttgagag caatgctatt gcacgctatg 300

ttgctcgctc aaag 314

<210> 8817
<211> 350
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051c07b1

<400> 8817

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cgattacccc agcttcaagc tcgtcatcgt cggcgatggc gggactggca aaaccacttt 180

tgtgaagagg catctcactg gagagtttga gaagaaatac gagcccacca ttggtgttga 240

agttcaccca ttggatttca ccactaactg cggaaagatc cgtttctact gctgggacac 300

tgctgggcaa gagaagtttg gtggccttag agatggatac tatatccatg 350

<210> 8818
<211> 395
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051c08b1

<400> 8818

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ggcgacctgg cgtcgccatc tctcatgacc cactgcgccg cctctcctct acctcgcgac 180

ctctcctctc tttcatggcc tctgccccgc cttactggtc gccacaaccg cttgcacggc 240

gaagtttccc tctcatgatg gttccagatc tacctgtccg tcgtgtttcc cgatttccac 300

ctggatctcg gagcatgact agtgggacaa ccttgcaaga tatgaatact atagccggca 360

aacatgatgc atcttcgaat attgtggaca tctct 395

<210> 8819
<211> 417
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051c09b1

<400> 8819

tcgtagaaac tgcagaattt gctaggaagt gggttccgtt ttgcaagaag cacaacattg 60

aaccaagggc cccggagttt tactttcagc aaaaaataga ttacctaaag gacaaaatcc 120

agccttcttt tgtgaaggaa agacgagcaa tgaagagaga gtacgaagaa tttaaaatac 180

gaatcaatgc acttgttgcc aaagcccaaa aagtgcctga agaggggtgg accatggccg 240

atggcaccgc ttggcctggg aataacccta gggaccatcc tggcatgatt caggtgttct 300

tggggcacag tggtggcctt gacactgatg gtaatgagtt gccacggctt gtgtatgtct 360

ctcgtgaaaa gagaccaggt ttccagcatc acaagaaggc tggtgcaatg aatgcac 417

<210> 8820
<211> 383
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051c10b1

<400> 8820

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ggctgcccac gaccacatgg ggatcggccc cgtgctccgg cagtgcggtg agctcttcga 120

ggggcttgag actctcactg actgcggtgg tggtgatggg actacggcca ggtccatcgt 180

cgaggcctac ccgcacatca agtgcactgt gctggacctt ccaaaggtca tggacaaagt 240

tcttcttccc gctcaagaag aaggagcggt taagtatgtt tccggtgacc tgttccacgt 300

cgtcccacct gctcaagctg tgttgctcaa gcttgttctg cacttctgga gcgacgagga 360

ttgcatcaag atcctcgcac aat 383

<210> 8821
<211> 358
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051c11b1

<400> 8821

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tgtgctgtgc tcatcattga ttataccact ggtggttttg aggctggtat ctccaaggat 120

ggccagaccc gtgagcatgc cctccttgct ttcactcttg gagtgaagca gatgatctgc 180

tgctgtaaca agatggacgc caccactccc aagtactcaa aggcccgtta cgaggaaatt 240

gtcaaggaag tctcttcgta cctgaagaag gtcggctaca accctgacaa ggttcccttt 300

gttcccatct ctgggtttga gggtgacaac atgattgaga ggtccaccaa ccttgact 358

<210> 8822
<211> 396
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051c12b1

<400> 8822

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cgcaaaggag tatttcaaat agccattctt gaccccacac acatgttcat ccagcctaat 120

atgggagatt acatcaaaag taagatggcg gagttcagag accagaacag ctatgagaag 180

ccaacgtgaa gggccaccat ccattaccgc ggtgccagct tccatccatt accgcggtgc 240

cagcttcaag aaactccatc aagagatacc tatgttgatt atcgctatgt agaatggtta 300

tatgctgaga ctgaacgtca tgtctctctt gtgatgttct gtttcctact tctgagccaa 360

tttatgatac agagttctgc gtcttatgta tcttcg 396

<210> 8823
<211> 315
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051d01b1

<400> 8823

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cacatcttgg tcccagccag agtcagcatg ctccgcagag tgctggctca agcatggccg 120

ggcaagaagc tgctggggct cccagacctg ccgggacgca gtttggtggt gggcagtcga 180

cgtggcaacc gccggactgg gcaattgagc cgcgccctgg ggtttactat cttgaggtga 240

tgaaggatgg gagtgccatt gataggatca atctggacaa gaagaggcat atatttggga 300

ggcaggtgcc tgctt 315

<210> 8824
<211> 375
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051d02b1

<400> 8824

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agaggatcaa gagctgattg gtgtggtcgg ttagccatgg ctgtcgtgaa ttttgtcaag 120

gcgcacattg ggcagagccc aaagctacag gggcgtactc ccaggagggg cagcggcgtg 180

gtcaggagct cgctgcaggg cgccgtcgtc gggaacaggg cggagtggct gaccagctgc 240

gcggtgctct ccagcaaggt ggccgcgctc gccccccact ccaccaacag ccacctcgcg 300

ctggcggtgg cggcttcgaa cggcgcggtg ctggacttga tccctctgga gactgttgat 360

ggcagcgcac gccac 375

<210> 8825
<211> 354
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051d03b1

<400> 8825

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caacccggtg accaaccatg tccagagcgc cgagcaacac aatcaagatg tcaactctct 120

tggtctcatc tcctccagga agaccgccga ggccattgac atactcaagc tcatgtcctc 180

cacattcatg gtcgccttgt gccaggccat cgacctccgc catctggagg agaatgttaa 240

ggatgccgtc aagagctgtg tgaagatgac ggccaggaag acattgagca ccaccaacaa 300

tgggcacctc cacaatgcgc gattctgcga gaaggacctg ctgctcacga ttga 354

<210> 8826
<211> 352
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051d04b1

<400> 8826

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cttccttgtc tgcctgccca cgacttgcct acgccttgcc ttcggggttg gtgagcgagc 120

gagctcggga tcagttggcg actacacacc cagagttcca ggttcttgga ggaggggga 180

agccatgggc agcttcgcca agctggccaa gaggtgcgtg gagacggagg cgccggtcat 240

ggtgaagata caagagctgc ttcgaggggc cacggatgtg atgtcgcttg cgcagggaat 300

tgtttattgg caacctcctg aggcagccct gaacaaggtc aaggaaattg ta 352

<210> 8827
<211> 277
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051d05b1

<400> 8827

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atcgcatcgc aaccgccgca tcggcgagtg agccgcgcca gcacggtgct ccgagcctgc 120

ctgcctgggc gagcctcggc gcgggcggtg gccgggttag agaggggggag gggacgagga 180

gatcgaggga gagagggagg cgacgcgatg gcgcgggagc ggagggagat aaagcggata 240

gagagcgcgg cggcgcggca ggtcaccttc tccaagc 277

<210> 8828
<211> 362

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051d06b1

<400> 8828

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cctcgcctct gctcgctccg gagaaggcta gctgccccgc gagccgagcg cggcgcccat 120

ggcgttcgac aagatccagg tcgccaaccc catcgtcgag atggacggtg acgagatgac 180

acgaattata tggaaatgga tcaaagataa gcttatattt cctttcctgg acttggatat 240

aaaatacttt gacttaggtc tacctaaccg tgatgctact ggggataaag taacgataga 300

aagtgcagag gctaccctaa agtataacgt ggccatcaaa tgcgcaactg tcaccccaga 360

tg 362

<210> 8829
<211> 379
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051d07b1

<400> 8829

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gccgctcgca gcccggaggc cagcctgcct cctggccctc ctctccgtcg ccgcggcctt 120

attcctgacc ccgacggcct tggcggcggg gggaaagacc ggccaggtga cggtgttctg 180

gggacggaac aaggccgagg gctccctgcg tgaggcctgc gactccggta tgtacaccat 240

ggtcaccatg tccttcctcg acgtcttcgg cgccaacggc aagtaccacc tcgacctctc 300

cggccatgac ctctcctccg tcggcgccga catcaagcac tgccagtcca agggcgtccc 360

tgtctccctc tccatcggc 379

<210> 8830
<211> 416
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051d08b1

<400> 8830

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agccggccgt cgctccggcc ggactgaagt gtagatatgt gcgaagaaga aggccgcctc 120

cagcaaatgc gctatggttg ctcgatccca cacctttgtc ctgttcagtg gctccagtct 180

ttgcatcatc agctgctacc gttcctcggc ttgtgcatat gtcgatgtga ccgtccattc 240

gtacgtcgac gtgttccgga gttcgccatg tttgcttgct gctgtttctt ccaagtgtgc 300

tatccattta ctcgctctat gtatgtatgt atgcatgtgg agaatttgtg aatcaaagaa 360

ttggtatcgt ttgtgaaatt ttattttact tgcaaagaaa gagcttccac agcttc 416

<210> 8831
<211> 354
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051d09b1

<400> 8831

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gtagcgattt ccagttacaa gtttgctcga caatattgag taggatgtaa gcacatataa 180

ggaccagttg caaagaggcg ggcctggaca tctgagtatg ttgtgataca tagatatacg 240

tacctgcact aggttattgt gattctgttt caaataagtt gtaccttgtg taaaagacac 300

agcttgtaag gcttgtctct tctttgctaa aatatatata atccctcata gtat 354

<210> 8832
<211> 426
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051d10b1

<400> 8832

tctttccaag caacgcatac cactgcttca cttactcgat cggccaaagc aagcaagtga 60

ggtgatcatg ggcggcgggc acgacatgca cggcggacac aacggcggcg tgaagggctt 120

cgtgtccagc ctcgtcggcg gcggcaaaag ccacgggtac ggcggccagg ggcacggctg 180

cgaccagggc tacggcggcc acgggcagca gcagcagcac ggctacggcg gccacgtgca 240

gcagcacggc tacggcggcc atgggcagca gcaggggtac ggcggccacg ggcagcacgg 300

gtaccctccg cccgccgccg cggtttgccc cccgtacggc ggctacccgg cgcaaggcta 360

cgcgccggcg gcttaccccg cgcagcccgc gccacaccac ggtgggcaca tgggatcgta 420

ccacac 426

<210> 8833
<211> 283
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051d11b1

<400> 8833

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gagtctgtcc tctcttcttc ttcttccacc tcgcacctcc ttcttgttgt tcccgtcacg 120

gtgcagcaag caaacaaacc aacagatcga cacagatccg gtggcctcac ctcaccggat 180

ctccccgttc cttctcgtct tgctctcgac tcgactggag tggaagcaaa gcaaaggaaa 240

gcaattatct tgactgattg atggggaaga agcccaagtg gct 283

<210> 8834
<211> 391
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051d12b1

<400> 8834

tctttcacgc gtccgtagct agccatggca tcttccaaga gtagtcttgc aatgtttgca 60

ctggccatag tcatggccgt ggtggctgac gtctcggcgc agaacacccc gcaggacttc 120

gtcaacctgc acaaccgcgc ccgcgccgtg gacggcgtcg gccccgtggc atgggacaac 180

aacgtggcca ggtttgcgca ggactgggcg gcgcagcgcg ccggcgattg ccggctgcag 240

cactccggcg ggccgttcgg cgagaacatc ttctggggtt ccgggcagtc gtggacggcc 300

gccgacgcgg tgaagctgtg ggtggacgag aagcagaact accatcttga cagcaacacc 360

tgcgacgccg gcaaggtgtg cgggcactac a 391

<210> 8835
<211> 353
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189051e03b1

<400> 8835

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gctcacgaat tggccgcgtt ctcttcagca tatgctgcac tcgagtcggc actctctgga 120

ttgaatgtgc ttattgagac atactttgct gatgttcctg ctgaatctta caagaccctc 180

acatcattga gtggcgtgac tgcctatggt tttgatcttg ttcgtggaac caagacgctt 240

gagcttatca agagcgctgg tatcccatct gngaagtact tatttgctgg tgatgtagat 300

ggaaggaaca tctgggctga tgatcttgct gcatctctca gcactcttca gtc 353

<210> 8836
<211> 411
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051e04b1

<400> 8836

ttcattatac atgggcaaat aaaatttctg ctccccgtgg acagatttat ggctacagaa 60

tgtccctctg ggctgagcat attggaatta tcgaggaaga ctttaaccat ccagagagcc 120

tagagtgcat gaggcgggtt cgtcaactcg ggcaacataa ctgggatcag ttctttgcaa 180

atgaggtgac tgagatgaga ggccacctcc tcaagtaccc tgtaagtgtt gaccgtaaag 240

gcaaggtgaa acccttgcca ggatgtgcga cattcccaga catgggcgga aacatttgtg 300

gctccttcac ggccatccag gaaaacctca caatatgaat tctgcttatg caagcatgca 360

attgttggtg acttcttggg tattatggac aacagagatg ccgaagtagc a 411

<210> 8837
<211> 416
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051e05b1

<400> 8837

ttcacgcgtc cggccggcga ggactccgac ccgctggtgc tcggcctcgt cccctgcgcg 60

gtcggcggca ccaggatctg gatgtgggct aggggccagc cgctgtacga ggccgccgtc 120

gccagggcgc gcgccgccgt ggcgggcggc ggcggggcgc tcggcgccgt gctgtggttc 180

cagggcgaga gcgacaccgt cgaggtcgac gacgcccgcg cctacggcgg caacatggag 240

cgcctcgtcg ccgatctcag ggaggatctc ggctcgccca atctgctcgt catccaggtt 300

ggtcttgcat caggggaggg gaattacacc gacatcgtaa gagatgctca gaaaagtatc 360

aatctttcca acgtgattct cgtcgacgcc atgggcctgc cgctcagcga cgacca 416

<210> 8838
<211> 416
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051e06b1

<400> 8838

ttctaagttt agttgagaga tcgccggcgg ccatggcgac tgaacagctc aacgtgttga 60

aagcactcga tgttgccaag acgcaactgt accatttcaa ggcggtcgtg atcgccggca 120

tgggcttctt cacggacgcc tacgacctct tctgcatcgc cctcgtcacc aagctgctgg 180

ggcgcatcta ctacaccgac cctgccctca acgagcccgg ccacctcccg gcaaacgtgt 240

cggccgccgt gaacggcgtg gccctatgcg gcacacttgc cggccagctc ttcttcggct 300

ggctcggtga caagctcggc cgcaagagcg tctacggctt cacgctcatc ctcatggtcc 360

tctgctccat cgcgtccggg ctctcgtttg gacacgaggc caagggcgta atgggg 416

<210> 8839
<211> 363
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189051e08b1

<400> 8839

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cgcccttgtt ctttatgact tcgcacctag cacacgcaca acagatttgg aaaggatctt 120

tgagaagttt ggagaccatg gagttgccat ccgctgggtc aatgattctg ttgcacttgc 180

agttttccgg accccatcat ctgctaagga tgcacaagct tgcgtgcctc caagatacaa 240

agtacggtca ctaaaggata atgacgatct cttggcaaaa atcgacggta cagacctaga 300

accgccgaca ccaagaccaa agacatccgc gagaacggcg canaggctga tcgcccacgg 360

gat 363

<210> 8840
<211> 387
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051e09b1

<400> 8840

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caaaactcct gcctcagaga tgatggggga tgctgatgag gaggaagaag aggaggcgtt 120

ggaggatttc aggatctccg aggatgatga tgatgaagat gaaggagaag atgatgaagt 180

gactcatttt ggcttttaag gttgattgag ttgaacaggg catttactgg agggtgttca 240

ggaggacccg gtcgggagtg gtgtttgttt cgaggttatt acagtggaaa tgaaatgcca 300

tcgatatcac taggtggatc actgccgtta gtctgtaaat caactcgcac tataccaaac 360

tcgctgcaat ctcatgatga actgaac 387

<210> 8841
<211> 453
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051e10b1

<400> 8841

cttgccaacc cgtgtgactc aaccatgtcc agagtgctga gcagcacaac caggacgtga 60

actctctggg ccttgtctcg gccaggaaga ccgccgaggc cgtggacatc ctcaagctca 120

tgtcctccac atacatggtg gcgctgtgcc aggccatcga cctccgccac ctggaggaga 180

acatcaagac ctccgtgaag aactgcgtga cgcaggtgtc gaagaaggtg ctgaccatga 240

accccaccgg cgacctctcc agcgcgcgct tcagcgagaa gagcctcatc accgccatcg 300

accgcgaggc cgtgttcagc tacgccgacg acgcctgcag cgccaactac ccactgatgc 360

agaagctgcg cgccgtgctg gtcgaccacg ccctgaccgc cggccccggc gaggccgaga 420

gcgaggccac ggtgttctcc aagatcaaca agt 453

<210> 8842
<211> 361
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051e11b1

<400> 8842

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aagtgggagg atgagcgcgc gagcaccacc gccgccgacc atgccggagt gcgactgggc 120

ggtcaggcgg atccgcaagg agctgaattt gctctggctc gacccccccgg cgttctgccg 180

gcccggcccg gcgcccgtga cggacctgtt ccactgggag gtggtcatcg atgggcccga 240

cggcagcccc tacgccggcg gcacgttccc cgtcgacgtc gcgatcccca agaagtaccc 300

catgaagccc ctcaagatca ccttcaaaac taaggtgtac catcccaaca tcgggccgga 360

g 361

<210> 8843
<211> 432
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189051e12b1

<400> 8843

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atgcggccac ggcgaactcg gtgacgccga gggcgtactg ggaggcggtg cttcccggaa 180

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atggtgttga cctcaagttt gtcaaaggac tacgaaaaat tggaccatat tataagaaac 300

tcaagtcaga agctgatcaa ggggaagacc atagtcatgc tgcatcacaa gctgaacata 360

atttcaagga ggtctctntg tcgtatggat caaaaggtgg agacaattta aaggaggtct 420

atgtgtcata tg 432

<210> 8844
<211> 245
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051f01b1

<400> 8844

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atctcgacga cggcgccaag cagcgagcgg atccagtcga tctagtcccg cgccgacgag 120

cctatggcga cggcggtgct cagatcccac gacgcgctcg ccaacaggat gcatctcgac 180

gccttcgccg cgtcccccca ggccgccaag cagcgccgcc ggcgccaccc caagccggcc 240

tcgcc 245

<210> 8845
<211> 332
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051f02b1

<400> 8845

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tgccttcctt ccttccttgt tcgttcctcg acgcacgcac gcagatctca tccatccaag 120

ccaaggcagg tcaggtcagg tcaggtacga gatggctctc accagaatgg gtctcgctgg 180

cctcgcggtc atgggccaga accttgccct caacattgcc gagaaaggct tacccatctc 240

tgtctacaac aggacaacgt acaaggtcga tgagactgtt cagcgtgcca agctagaagg 300

aaaccttcct ctctatggtt tccatgaccc tg 332

<210> 8846
<211> 106
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051f03b1

<400> 8846

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taaggcggga cacgtgaaat cctgtctgaa catggggaga ccactc 106

<210> 8847
<211> 457
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051f05b1

<400> 8847

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gaggcggtgt tcgcttacgc ggatgacccc tgcagcgcca actacccact gatgcagaag 120

atgcgtgcag ttctcgtgga gcatgccttg gccaatggtg aggctgagcg cgatgcggag 180

acatcagtgt ttgctaaact tgccatattt gaacaggagc tccgtgcagt gcttccaaag 240

gaggtcgagg ctgcccgaag tgccgtggag aacggtactg ctacacaaca aaaccgtatc 300

accgaatgtc gatcataccc tctctaccga ttcgtgcgca aggagcttgg aactgagtat 360

ttgaccggtg agaagactag gtctcccggt gaagaggtgg acatggtgtt cgttgctatg 420

aaccagggca agcacattga tgcactactt gagtgtc 457

<210> 8848
<211> 396
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051f06b1

<400> 8848

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atcaaaccgg agcgagctcg cgtcaattcc accgccaggg cgcgcattaa tcagattgga 120

gtcgcggcct gagccgctcc gcccgcgacc acccctcgga tcgacccggc ggacggagga 180

ggcgcgcgcg cgcgggctgc ggagcggggc ccgggggcga ctaccccact gcatcggcga 240

tgccgagcgg ggcgtgcgcg gcgcccgccg cccccgaccc cgaggaggac gcgctgttta 300

tcgatttact acatgaagct cccctgtctg gccatcgaga gcctaggagc atagtcagtg 360

gcaccttgta ctgtatattg ttggtagggt atgctg 396

<210> 8849
<211> 364
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051f07b1

<400> 8849

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ggtcgttgcg gaggatcata ccaacggctc ggagcactct ggcccgacgc ccgcgaattc 180

atctgtcact ttcggagacg atgaggccga caacgggttg cagctcagtc atggcgcgga 240

gcccgaggcc aagcgccggt aagtaattca tcattgcttg ccaaatacta cctctatata 300

gattcttaga ttaatttgaa gattgtgtgt ttggttggtt gtcaggaagg agcatggtga 360

caac 364

<210> 8850
<211> 380
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051f08b1

<400> 8850

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atccaagagc aaatcatgaa cctcaagttt tcttagcacc tatgccaaag agaagaagat 180

tgttgcttct ggttgtgagt gaatctaaga gttaacatgg tacaatatct tctcgaagat 240

gatgtattcc ttcataaaaa aggatgttcg agaagttatt attgaagagg agttcagtct 300

catgtgattc tcaagagcta aaatggaaca agaagtgcag gcctgtcatg tctacactaa 360

ctaatcagaa aaaacgtggt 380

<210> 8851
<211> 433
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051f09b1

<400> 8851

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ggcttaactt attgccgcaa tttggttgac attgatagcc tcatatgatt tacaatgcct 180

ctgtccgagc aggaggacat ttttgagtgg caatttgcta tcctggggcc ccgagacagc 240

gaatttgagg gaggaatcta ccatggacgg atccagttgc cctcagacta cccgttcaag 300

ccaccatcct tcatgctgct cacgccaagt ggaagattcg agattcagaa gaagatatgt 360

ttgagcattt ccaattacca ccccgagcac tggcagccat cgtggagtgt acgcacagca 420

ctagtagcat tga 433

<210> 8852
<211> 309
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051f10b1

<400> 8852

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gcggatcgcg gtgctggaca agcccgacct actggacgcc gactacttct accgacacga 180

cctccccctc ctgctgcacg gtcgtgaccc ggacccctac ctcgccaagc ccgagctggt 240

gcagttcatg cagtggaagc tctatcgcgg gaagcggagg ccgaggctga tggatttcgt 300

gaaaagctt 309

<210> 8853
<211> 382
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051f11b1

<400> 8853

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cgaccggaga aagaagaaga agagcaagat gtcgtcggtg ttcagcggcg atgagacggc 120

gcccttcttc ggcttcctcg gcgccgccgc cgccctcgtc ttctcatgca tgggggcggc 180

ctacgggacg gccaagagcg gcgtcggggt ggcgtccatg ggagtcatgc ggccggagct 240

cgtcatgaag tccatcgtgc ccgtcgtcat ggcgggagtg ctcggaatct acggcctcat 300

catcgccgtc atcatcagca ccgggatcaa ccccaaggcc aagccctact tcctcttcga 360

cggctacgct cacctctcat ca 382

<210> 8854
<211> 458
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189051f12b1

<400> 8854

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aagaagcatg gaagaggagg gcaatctgct ctgcgttttg ctcgccttcg gatggagaag 120

cgtcacaatt atgttcggaa aacagctgaa cttgctactc agttcttcat caacccagct 180

accagccagc ctaatgttgc gggactaata ttggctggtt ctgctgattt taaaacagaa 240

ctgagccaat ctgacatgtt tgatcagcgc cttcagtgca aaatacttaa tgtggttgat 300

gtttcttatg gtggcgagag cggtttcaac caggccattg agttatcagc tgaaattcta 360

gcaaatgtga agttcataca agagaagatg ttgatcggga agtactttga agagattagt 420

caggatactg ggaagtatgt ctntggagtt gatgacac 458

<210> 8855
<211> 348
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051g01b1

<400> 8855

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tggatcccct ggacagtctg atataccgtc cattgcagca gttgttggtt ctcgggaatg 120

gcctcttgtc tcgaaatata gggcttcagt gcgctcgcag tcaccaaagc tcgaaatgat 180

agattcattg ttcaagccac aaggaactga tgatgatggc cttgttcggg agtgtctcat 240

tgacttctac accagttctg gaaaaaggaa accagatcag atcatcatct tcagggatgg 300

tgttagtgag agccagttta atcaggtgct gaacattgaa ttggatca 348

<210> 8856
<211> 250
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051g02b1

<400> 8856

tttgttatca tctgtgacga gaagctcaaa accatctttc ctgggaggga cacggttcat 60

atgatggagg tcaccaagct cttgtcccct catttcgtga agactatcta aggctgtcga 120

gtgggggggcc aacgcttgtg ctttctgccc agggctagcg ttggaatgga aggcttcttt 180

tgcgatccct gtccaagtca tggttctact aggtagttaa gttaatacgg agttcagact 240

tcagactttg 250

<210> 8857
<211> 218
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051g03b1

<400> 8857

tcgttggctg agggtggtgg cgtggagggc tgctgggcct tgcggggcat ggtgcttggg 60

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tctgatctgg acggtggtgg atcctccggc cgcttattcg cgggcggcat gggctgcggc 180

ggattgggcc tgccagcggc gcgcgggggt tgctacgc 218

<210> 8858
<211> 335
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051g04b1

<400> 8858

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gctcgcggcg ctggacaagc ccgacctcct ggacgccgac tccttctacc gccacgacct 180

ccccctcctg ctgcacggcc gcgacccgga cccctacctc gccaagcccg agctggtgca 240

gctcatgcag tggaagctct cgcgcggcaa gtggaggccg aggctgatgg atttcgtcaa 300

aagcttggat gacaaagttg tagagtcagc gtcac 335

<210> 8859
<211> 202
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051g05b1

<400> 8859

ttctttcgta cgtccacgcg tccggcaaac tctgtatgta agcgtctgta tcacatgaca 60

aagaatgatc acctttggag aatggtttgt cagaatgcat ggcgcaacca tgctactctg 120

gctcttgaga atgtggctgg tacaaaacgt ttggcatggg gacggatagc acgggagccg 180

actacactgg aagccgtcac ct 202

<210> 8860
<211> 411
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051g06b1

<400> 8860

ttcgtatcct caaggagctc aaggacctgc agagggatcc ccccacctcc tgcagcgccg 60

gccctgtggc ggaagatatg ttccactggc aagcgacgat catgggtcca tcggaaagcc 120

catatgctgg tggtgtattt ttggttacta ttcacttccc cccagactac ccattcaagc 180

cacccaaggt tgcatttaaa acaaaggttt cccacccaaa tatcaacagc aatgggagca 240

tctgtcttga tatcttgaag gagcaatgga gccctgcatt gacagtttca aaggtgctcc 300

tttcaatctg ctctctacta acggacccaa accccgacga cccgttggtt ccggagattg 360

cacacatgta caagagcgac cgtgcgaagt atgagtccac agcgaggagc t 411

<210> 8861
<211> 412
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051g07b1

<400> 8861

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aagcatgctt gccgtgcctt cttccgggtg caccggaggc cggcatgtga ccaggggtgc 180

ttcagtgatg cagaagaaaa aaggcaagtc ttatcggcaa gggaaggcta cgcctttctt 240

ccaggtctcc ctctctccat ctaaatccgt gtttggagga gggggctacg gctagtttac 300

ccaccggttt accgtgtcct tgtgagttgt ggtcattatc atgcactcgt cagttgcttg 360

tcatgtatgg tgtgcttgaa ttttcagcta cataatggtc ggttgtgtca gt 412

<210> 8862
<211> 437
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051g08b1

<400> 8862

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tgagtcctgg aaggagcggg aagctgctgt tttatcgatt ggtgctatag cagagggatg 120

catcactggg ttatatcccc accttccaca gatggttgcc ttcctaattc cacttctcga 180

tgataagttt cctcttattc ggagtattac ttgctggacc ctctcccgat acagcaagtt 240

cattgttcag agccttggcc atccaaatgg tcgcgaacaa tttgataaga tcctcatggg 300

tttgctaaga aggatattgg atactaacaa aagagtgcat gaagctgcct gttctgcatt 360

tgcaacgctt gaagaggagg ctgcagaaga ctagtaccgc gactggaagt cattttgcag 420

caccttatgt gtgcata 437

<210> 8863
<211> 347
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051g10b1

<400> 8863

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aggctgcgga tcatccggtg aggttggcga tagctttagg ttcaaccttg aagaggtcga 120

gtgtgcgact cagtacttct ctgaggttaa cttgctaggc aagagcggct ttgctgcgac 180

gttcaagggg atcctgaggg atgggtctgt tgtggcggtt aagagcctca ataagacaag 240

ttgcaagcaa gaggagtctg atttcctgag aggtctgaag acgctcacca tgctgcggca 300

tgagaacctt gttggcctga ggggcttctg ctgctccagg gggaggg 347

<210> 8864
<211> 392
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051g11b1

<400> 8864

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tgggcacgcc ggagacctcg cgggagccgt gcccggaccg catcctggac gacgtgggcg 180

gcgcgttcgg gatgggggcg gtgggcggct ccgtcttcca tttcctcaag ggcacctaca 240

actcgcccaa cggcgagcgc ctgctcggcg gggcccagca ggtgcgcctc aacgcgccgc 300

gcgtcggcgg gagcttcgcc gtctggggcg gcctcttctc cgccttcgac tgcaccatgg 360

tcttcgtgcg ccagaaggag gacccctgga ac 392

<210> 8865
<211> 479
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051g12b1

<400> 8865

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tttcaccctc cccaccaagc cctccccggg cgcaggctcc ctctccttct ccagggcgtc 120

cacggggaag ttcaggatgg cggcggtgag ggcggaggcg gtggacacgt ccatcagccc 180

gcgggtgagc gcgctgcggc cgtccaagac catggccatc accgacatgg ccagcgcgct 240

gcggcaggcc ggggtgcccg tcatcggact cgccgctggg gagcccgact tcgacacgcc 300

ggcggtgatc gccgaggctg ggataaatgc aatcagggat gggtctacta ggtacacacc 360

taatgcaggg actatggagc tgaggaaagc tatctgcaac aagcttcagg aggagaatgg 420

tctaacctac agcccagatc aggtgctagt gagcaatgga gctaaacagt gcattacac 479

<210> 8866
<211> 309
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051h01b1

<400> 8866

tttcacgtaa gcatctacgg agtagcacac attacttgct tagctcaaga aatggccaag 60

ggagcggtga tgcttcttgt gctcttcacg gtgctgtcag cggtgagcca agcccagctg 120

cagcacgggc ccggccacag gaccttgtcc cacgggcacc gccggtccgc cgaccgagcg 180

gcgccgacgc acctccactt cttcttccac gacaccgtga gcggcgcgtc cccgtcggcg 240

gtgcggtggg ggggtccggc cgacccgtcg tcgcggacct tcttcgggat ggtgaacgtg 300

atggacgac 309

<210> 8867
<211> 315
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051h02b1

<400> 8867

ttcctcgcgt ccgcccacgc gtccgcccac gcgtccggcg ttcaggaagc aggcgagcaa 60

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ttacgagcgt tcagattctg ttgtcattga tgaagttgaa ttacagcaac atcaaaggct 180

tgagaaattg tacagttcta ctcgttctgg aagggatttt caaaaggaca tagttcgagc 240

agctgaaggc ttggtgtcta ttggaagcaa gcatattgaa gtgggaacaa aattttctga 300

ggattgctat agata 315

<210> 8868
<211> 292
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051h03b1

<400> 8868

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tacgtcgtca tccgcggcaa ggtcttcgac gtctcggccg ggcgcggctt ctacgggccc 180

ggcggcgact acgcgctctt cgccggccgc gaggccgtcc gcgcgctcgc caagatgtcc 240

aaggacgccg ccgacgtctc cggcgacctg ttcggcctct ccgacaagga gc 292

<210> 8869
<211> 356
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051h04b1

<400> 8869

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tgtgcaaggc agccgaggaa gggaggtcgt gcttcgccga ccagaggtgc agcgccagtg 120

cgccggctct gaaaagcatc atcgacaagc tgatcaaaac caagtaagca gacagtgttt 180

gtgcctgttg gagaagtacc actagtcaaa aatgtaatga tgatatctgg gatgtctcgt 240

tgtacaattg cttgttacac gcccgagtgg ttttgactct gttcttagtt tcctaaagct 300

ttttggcttg tgtatccggg ttttgtttca gaaatattga gcgttgatgc gataga 356

<210> 8870
<211> 157
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051h06b1

<400> 8870

ttcattatca tccccgatac caaagctcat attcttctcc ttgaaatctt tttgggttca 60

cagatttggc ggatgtcttg caactgtgga tcccgttgca gctgcggctc acactgcaag 120

tgcgggaaga tgtaccctga tctgacagag cagggca 157

<210> 8871
<211> 233
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051h08b1

<400> 8871

tcgtcgccag caagctgctt gctttgcttc gggtagctcg ctgcgcggcg ccgctctcgg 60

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atctcggagt tcgccgcgat cgggtacaga tactacaccg cggtgttcct cgcgatcccc 180

gcgtggctgg ggctcgccac ggcggcgggg gtcgtcaacg tcgcggccta cac 233

<210> 8872
<211> 118
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051h09b1

<400> 8872

tcgttgacgc gtggcgcggc ggagctcgag aggggcctcg tttaacccaa cggggtcgtg 60

gtcatcaccc tccaccgtgc catggccctc aacgccatga acctcgaaat ggaccttа 118

<210> 8873
<211> 405
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051h11b1

<400> 8873

tcgtttcgcc atcaccggcg ccaccgcgct cgacacgccc tacttcgagg ccaggggcct 60

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caagcctttc ttctgcaact ccaccaagga agaatgcatg gagttctatg ccaactcgct 180

gttcgtcgtc tgcgagttcg gtggcaacga ctacaacgcg cccctgtttg ccgggaaggg 240

cctcacagag gcgtacaagt tcatgcccga tgtcatccag ggcatctccg atggcctcga 300

ggaattgatc gccgaggggg cagtggatct catcgtgcca ggggtgatgc ccactgtgtg 360

cttccacgtg tacctgaaca tgctcgacat gccagcccac gagta 405

<210> 8874
<211> 362
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051h12b1

<400> 8874

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ggtggcggcg aagaagttcg gcgggccgag gaagaagtca gtgacgaggt ccatcaaggc 120

cggcctccag ttccccgtcg gccgcatcgg gcgctacctc aagaagggcc gctacgccca 180

gcgcgtcggc tccggcgccc ccgtctacct ctccgccgta ctcgagtacc tcgcagccga 240

ggtgctggag ctggccggga acgccgccaa ggacaacaag aagacccgtg tcgtgccgag 300

gcacctgctg ctggccatgc gcaacgacca ggagctcgtg aggctgctgt ccggcgtcac 360

ca 362

<210> 8875
<211> 151
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189053a02b1

<400> 8875

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atgctatggc aaaggcagcg gcaacgaggg aggagatggt ctactcggcg aagctggcgg 120

agcacgccga gcggtacgag gagatggtcg a 151

<210> 8876
<211> 311
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189053a03b1

<400> 8876

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agcaacagga gcatacagcc atagccaggg tataaaagga ctccgtgatg caattgcttc 180

tgggatcgct tcacgagatg gattccctgc taatgctgat gacatttttc ttacagatgg 240

agcaagtcct ggggtgcacc tgatgatgca attactgata aggaatgaga aagatggcat 300

tcttgtcccg a 311

<210> 8877
<211> 284
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189053a07b1

<400> 8877

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ctcccgcgca tctcgatctg tttttagtcg atctagatct gcatccgagc aagcaagcaa 180

gcttctccat tttcttttgc ttttgataca cacatacatt ctagtacatc tctccgcctg 240

tttttgttgg ttggagcttt gatttccttt gcattcctag ttca 284

<210> 8878
<211> 280
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189053a09b1

<400> 8878

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tttcttcctg aggagaagga aacgctatca tctacaggga gtaagaggga gcatgaacgg 120

ggaatcaaca cggccatgga tgatctgcta tctagaggga gccctcttct acaggttcca 180

tcccaaggtc tgcatatcca gtatcctctc cccacgcaca caaggtgtgc gtccatctgc 240

ctgaaggcaa cgatggaggc agaaaagagc cttcaggagg 280

<210> 8879
<211> 468
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189053a11b1

<400> 8879

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ctactgaatt aggtaagaag gccaaggaat tgaagaaggc agcggaagcc cttcaccaag 180

aagagagaag tgggaacaaa ggcagaaaat ggcgcaaaaa cgtgaaggct gtcgagaagg 240

agttgttact tttggaaaat gacatgaatg ctctagaaga gatgtaccct caaggagaga 300

aggcagaggc tacctgggct tttacagtgc ttgcttacat tgggaaactc atattcggca 360

ttgttgggtt aattgtatcg attgcttgtg ttgcacatat tatcatatac ttgttggttg 420

atcctcctct atcttctttc ctgaatgaga tcttcataaa gctggaca 468

<210> 8880
<211> 332
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189053b01b1

<400> 8880

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attttaaaga aatgtggtgg tgtgccttta gcgatcatta caatagctag cttgcttgtt 120

ggtaaacgat gtgaggattg gtctaaggtg tatgatgcca ttggttttgg gcatgaagac 180

aacaaagttg ctcataacac aagaaagata ttgtctttta gctattatga tctaccttcc 240

catttgaaga cctgtttatt atatctaagt atgtctcctg aagatagctt gattgggaaa 300

aggacactga tttggaggtg ggtctgtgaa gg 332

<210> 8881
<211> 194
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189053b03b1

<400> 8881

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agtatgtgcc ctgaatcgtt actgggcaac ttttcttaaa tacattgtcc ttgaatccga 180

ctgagattat tatg 194

<210> 8882
<211> 275
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189053b04b1

<400> 8882

tccctcgcgt ccgaccgtgc gccacgcccc gtgccgcaaa aacctttcga aaaccgccgc 60

gccaaccgcc acccagcccc gtccaagaaa ccgtacgcca ccgcggacgc gacccccccgc 120

cggcgccaag atggtgcggc ttagcaacac ggtgatcggg aacctgaacg cggtgacctt 180

cctgctctcg gtgcccatcc tggcgggcgg catctggctg cgggcgcgcg ccgacggcac 240

cgagtgcgag cgctacctgg cggcgccggt gatcg 275

<210> 8883
<211> 292
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189053b05b1

<400> 8883

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agctcacaca tcaagacaat aaatagagcc tcgtttgttt ggggccgacc aaaccaaaca 180

acaagttcat gtctgatctt aacgcccagg ttccaactgc tttcgatccg cttgctgagg 240

caaaagctgc ggactccggc gctggtgctg gatcaaagaa ctatgtgcat gt 292

<210> 8884
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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189053b06b1

<400> 8884

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cagatagcgc gatcactcgc atccccccaa agggaatttg 100

<210> 8885
<211> 253
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189053b07b1

<400> 8885

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tgacaaggcc aagaaaggga aagataagaa gagcgagagc aaagagaagg ataaaaatag 120

cgccaaggag actggacctg atgcagatga cagttgcccc aagaacaaaa agaaggataa 180

ggacaaggca aagaagaagg atgaaagcga tgaaaaacaa gagaaagaca aagactaggt 240

ggaacatgag aac 253

<210> 8886
<211> 352
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189053b08b1

<400> 8886

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ggtcccatgt accacaacgg cctgtaccac ttcttctacc agtacaaccc cgacggcgtg 180

acgtggggca acggcaacct ctcgtggggc cactccgtgt ccgtggacct ggtgaactgg 240

ttcgcgctcg acgccgcgct ccagcccagc cgctccttcg acgccaacgg ctgctggtcg 300

ggctccgcca ccatcctccc tgacggcagc cccgtcttgc tctacaccgg ca 352

<210> 8887
<211> 297
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189053b09b1

<400> 8887

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tctgcaatcg ctctaaccct tccatctagc tacatttcta actagcccta tactaaagac 120

aagcagacaa ctacactaac cacattagct tcgtcccagc taccatcggt gtcaggtact 180

ccgacttgat acatccgtat ttagacaaat ctaagacaag aattttggga cggagggagt 240

aacatctaat ctaatttgtc gaaggcgcct tctgctcgtt actcttcccc agcccca 297

<210> 8888
<211> 427
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189053c03b1

<400> 8888

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tcagttgcaa ggaaaaacag atgttgttct tgagttccat gttgatgata ctacaggggc 180

taatgagaaa gattcgctga tggatttaag ttttcatgta ccaacttcaa atactcagtt 240

cctcggtgat gaggaacgtc cctcggctca tatttttgg cagaaaatct tggctatagc 300

tgacgttggc tcatcagaag aggctgttgc ctcattggag ggaattgcaa ttcttacccc 360

aagaggtcga tacactgttg agcttcatat gtcattcttg cgactccaag gacaagctaa 420

tgatttc 427

<210> 8889
<211> 162
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189053c07b1

<400> 8889

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tcggggtgat ccagatggtc ctttacgtgt cctacatgaa caagacgccg gtggcaagcc 120

aggtcaagga ggggaaagag gcatggtagg cgcccgcaga gg 162

<210> 8890
<211> 189
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189053c08b1

<400> 8890

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caagcggtca agtcgaacca gtcgagacgg cgttttggtg cagatcgagg gggtgaacac 180

cagggagga 189

<210> 8891
<211> 398
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189053c09b1

<400> 8891

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cggtgccgca gcagcgatca gctcggagca gatgagcgag ttccgggagg ccttcgcctt 180

cttcgacaag gacggcgacg gctgcatcac ggcggaggag ctgtccacgg tcatccgctc 240

cctgggccag tccccgacgc ccgaggagct gcgggacatg gtgcgcgacg tggacgccga 300

cggcaacggc accatcgagt tcgccgagtt cctggcgctc atgtaccgca aggccgacgc 360

cgacgcggac gccgcggacg ccgccgaccc cgaggagg 398

<210> 8892
<211> 107
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189053c10b1

<400> 8892

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cagtgctgcc ggccatggac gcctccatct tctccaccac atcctcc 107

<210> 8893
<211> 220
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189053c11b1

<400> 8893

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acggtaagaa ccacaaccac cacaagtgag tgaccatcgg agcaaggaaa gaccaggaga 120

gatggcaatg aggccgcttg tcgtcctggc cctggccgtg gcgctcgccg gcgtggcact 180

gggaggggggc gcggcggagg gggccggcga gtgcgggagg 220

<210> 8894
<211> 105
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189053d04b1

<400> 8894

ccctactttc cacactccct gccccacaga gaagagaacc atcgagaaaa atgccgcgcc 60

acctgctgca gaagcccgtt gaccggctcg ccgcactggc cgcgc 105

<210> 8895
<211> 225
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189053d06b1

<400> 8895

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ctggctttgg gcaggattgg agccctgtgc gagcaggtca aggatcttaa tgctcaagga 180

tatgaggtga ttatggtcac ctcgggcgct gttggtgtgg ggcga 225

<210> 8896
<211> 140
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189053e02b1

<400> 8896

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aagctggtaa aggatggctt catcatcagg aagcctcaga agatccactc caggcctcgt 120

gcaaggaggg cacatgaggc 140

<210> 8897
<211> 343
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189053e10b1

<400> 8897

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ttggatagat cccagataga tgagattgtc acagtgacta ctcaagaagc tatggacatg 180

gctagaacat tggcaaggga agaaggattg cttgttggca tctcttcagg ggcaaatgca 240

gctgcctgct taaaggttgc atcaagagag gagaacaggg gaaagatgac tgtgacaatg 300

ttttccagtg gtgcagagag gtatctgaac tcggagctct ttg 343

<210> 8898

<211> 212
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189053e11b1

<400> 8898

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cgcctcgcgc tctcccaccg catggcggcg gcaccagcgg cgatcgccgg gccctccggc 120

gactccgagc gcgacctgag cgcgtccgcg gtatcggtag aggcatttgg ggccgtcgaa 180

tcctcgggcg atggttcggg gaggaaggag cc 212

<210> 8899
<211> 310
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189053e12b1

<400> 8899

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atattgtaaa ccttcacaaa ttcccttgat tatttcatag cgctatttta aaataaatga 120

tttgtattgg aaaaaccaag ttgtccaata tacatattca tgacttgaaa aagtaaaaaa 180

atacagtcat tgtatattgt gtttgactta gaaagaaaga tgaaaaagct aaacaaaaag 240

atgtgaaggc tgatgaatgc tttgcttatg catgaatcca tattgataaa gcgctattga 300

atgatcaagg 310

<210> 8900
<211> 299
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189053f04b1

<400> 8900

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tgagaattac aaaattttcc tcgtctttgt gttgtatgct gcaaccgcaa gcttctattc 120

tttggctctg atgattggag gcgtagtgca tagtgtgcct acagatgaac aatcaggaat 180

tgattctcca agaaaatcgt tagttatttg tggcgtcttt gtgggtgtaa tgactttggc 240

gttgtctatc ctcttggtct ggcatgttta cctcatctta cataataaga ctactattg 299

<210> 8901
<211> 138
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189053f05b1

<400> 8901

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tgaactggaa tcttctgaag atatatcctc tgcatgccat tcaaatcgtg ctgtatgttt 120

cttgaagttg gggaaatc 138

<210> 8902
<211> 241
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189053f06b1

<400> 8902

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ttgctcaagc ttgttctgca cttctggagc gaccaggatt gcatcaagat cctcgcacaa 120

tgcaagaagg ccgttcctcc ccgagaagca tgaggaaaag tcatcgtcat agacattgtg 180

cttggatcgg tttctgcagg gccaatgctg gaaacccaac acctcatgga tatgctcatg 240

c 241

<210> 8903
<211> 194
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189053f08b1

<400> 8903

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gcggacaagc cccagctcga cgccgacgac gtccgcctcg ccatccaggc caacgccaac 120

ttcttcttct tccagccgcc gacccgcaag gttctacttg aataggcacg cagccggaac 180

aagatcccgc tgcc 194

<210> 8904
<211> 188
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189053f09b1

<400> 8904

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gatgctcctc ttgcgcgtac tgaactcccc caagatggca gagccccacc tgtcgtaaca 120

actgatatgg aagctttcca tgataaagct aagatgcaag tcattaaaga aggccatggg 180

aagatacc 188

<210> 8905
<211> 279
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189053f10b1

<400> 8905

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atcgccggcg gcgggctgct ggggatgggg tgggccgggt tcaacggcgg cgcgccctac 180

gccgtcaaca tcacggcgtc catggccgtg ctcaacacca acgtcagcgc ggcgacgagc 240

ctcctcacct ggacctgcct cgacgtcatc ttcttcggc 279

<210> 8906
<211> 403
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189053f11b1

<400> 8906

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gggggcggag aaatctttgg caactggcaa caagtcgcct gtctgtttta ctggcttgtt 180

cagctgtttc ttcaactagc atataccaat ttctgaagaa ctatgaagat ctcacaatat 240

ttattttggc cggtgaagca ttttgtgggt ttgaagctag cgaattccga cagaagctga 300

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tggtactgga aaaggagtct tggacaataa tgtctgctga agc 403

<210> 8907
<211> 337
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189053g04b1

<400> 8907

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tcaccgcagc gcgaccaaac cctcaggcga tccccggcac ctcctccccg acgcttcagc 120

catggcagga atggcaccgg aaggttccca gtttgacgct aagaactatg attctaagat 180

gcaggagctg ctgaaccaag gtgagactga ggagttcttc acctcttatg atgaagttca 240

tgagagcttt gatgacatgg gtctccaaga gaacctcctc agaggaattt atgcttatgg 300

ttttgagaag ccttctgcca tccagcaaag gggaatc 337

<210> 8908
<211> 212
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189053g05b1

<400> 8908

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cgagaacgtc cccaaggtca tgccccacac cc 212

<210> 8909

<211> 243
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189053g06b1

<400> 8909

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cgactccgac actccccggc ggcgcgcgct cgccgagctc ggtcgcgctg cggttcggat 120

cccccggagg cgtgcggctt cggcgcgggc gagggtcggc ggcggtcgcg atggcatccg 180

acgggcgcgt ggagcggatc gcgtccagta tccgcgccat ccccaacttc cccaagccag 240

gga 243

<210> 8910
<211> 73
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189053g10b1

<400> 8910

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ccgactccga cac 73

<210> 8911
<211> 181
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189053h04b1

<400> 8911

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gatgagagag ctcgatggcc cgacgatatt cacctgggtt gcagtaatag ccgggatgct 120

ggctgcgttc tcggccgttt tccttccacc cgtcggtccg gtcaaatggg tgctcgccat 180

c 181

<210> 8912
<211> 250
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189053h05b1

<400> 8912

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gccttcgcat ccagagctcc aaaccctagg cgaggcgagg cgcggcgcac cggagggaga 120

ggccatggat cccgattcgg tctcgaaggc gttcgtgcag cactactacc agacgttcga 180

ctccaaccgc gccgcgctgg tggggctgta ccaggacggc tccatgctca ccttcgaggg 240

cgagaagttc 250

<210> 8913
<211> 180
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189053h10b1

<400> 8913

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cgagacggtt gttgcgcttt ttaacgccaa cgtgacacca tgcctgtcgc tccggggcac 180

<210> 8914
<211> 321
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189053h11b1

<400> 8914

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ctgagctctg tgtcgatggc cgcggggctg cagcacggct tctactactc gtcgtgcccg 180

caagccgagg acacggagag gaacgtcgtg caaggcatga tcaacaatga ccccaccatg 240

ggcgccgcct ttgttcgcct cttcttccac gattgctttg tcaggggttg cgatgcctct 300

attctgctgg acccgaccac c 321

<210> 8915
<211> 72
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189053h12b1

<400> 8915

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gaagatcagc ag 72

<210> 8916
<211> 359
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054a01b1

<400> 8916

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agatgatcgc caacgccttc gacaacaaga tcgacgccaa gcgcacgctg cgggagatca 120

agctgctccg ccacatggac cacgagaata ttgttgcaat aagggatatt atacctcctg 180

cacaaaggac tgcattcaat gatgtctata ttgcatatga attgatggac accgatctgc 240

atcaaattat tcgctcaaat caagctttat cggaggagca ctgccagtat tacctttatc 300

agatccttcg tggcttgaag tacatacatt cagcaaatgt tctccaccga gacttgaag 359

<210> 8917
<211> 376
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054a02b1

<400> 8917

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attgacatgg gagcatcttg gttgcatggt gtttgcaatg agaattcttt ggcgccattg 180

attaggcttc ttgggcttag attatatcgc accagtggtg ataactctgt gctttatgac 240

catgatttgg agagctacgc gctctttgat aaagatggtc gtcaaattcc ccaggagata 300

gtaaccaaag ttggggaaat atttgagcag attctgaagg agacggtgaa aggtagagat 360

gaatatgcaa acgaca 376

<210> 8918
<211> 357
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054a03b1

<400> 8918

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agaagaaggc ctctgtgttc ttcaagactt ctgctgatgg ccatgtctcc tgtgctaagg 180

agatgaccaa gctctctggt atctctgaca tcatccctga gatggaggtc tgtgacttcg 240

acttcgagcc ctgcggctac tccatgaacg ccatcaacgg atctgccttc tccaccatcc 300

atgtgacccc cgaggacggc ttcagttacg cgagctacga ggtcatgggc atggacg 357

<210> 8919
<211> 345
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054a07b1

<400> 8919

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gtgaaggcaa agatccagga caaggagggc atccctccgg accagcagcg cctcatcttc 180

gctggcaagc agcttgagga tggtcgcacc ctcgctgact acaacatcca gaaggagtcc 240

accctccacc tggtgctccg cctgcgtggt ggcatgcaga tcttcgtcaa gaccctcact 300

ggcaagacca tcacccttga ggtcgagttc tctgacacga tcgac 345

<210> 8920
<211> 321
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054a08b1

<400> 8920

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gatcgccgga gaggaatcgc gacgagggct tcctcctatc agttaaatca aagtcatgga 120

gcacaaggag accggctgcc agtctcgtga gggccccatc ctttgcgtca ataactgcgg 180

cttcttcggc agtgcggcga ccatgaacat gtgctccaag tgccacaagg agatggcgat 240

gaagcaggag caggccaagc tggccgcctc ctcttttgac agcatcgtca acggtggtga 300

tgccgcgaaa gaacatcttg c 321

<210> 8921
<211> 403
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054a09b1

<400> 8921

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tagtcgggaa agccatgtgg gtacaactag acattgccaa tgaattccga aatggatttc 120

ttccagctct cctttcgctg tcgacaaaat ttgttccgac aattatgaac attctgaaga 180

gactagctga tgaggggggca gcgcccgcag ccccagagag gcagagagag acggagctcc 240

aaccaaggaa taatagttca aacagcaacg tgacatcagc aggttcctcc agcttaacct 300

cttcagagaa tggacctgaa tattcaagcc cggtagcaca atgatgagtg gatccctagc 360

ttttagctga aagctctagt tgtagctgca acggtttgag cct 403

<210> 8922
<211> 364
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054a10b1

<400> 8922

tggggtggca cttttgatgt ctctctcctt accattgagg agggtatttt tgaggtgaag 60

gccacggctg gtgacactca ccttggtggg gaggactttg acaaccgtat ggtgaaccac 120

tttgtccaag agttcaagag gaagcacaag aaggatatca gtggaaaccc caggtctttg 180

agaaggctca ggacttcttg tgagagggcg aagaggaccc tttcttccac tgcccaaacc 240

accattgaga tcgattcact cttcgaggga ggtgatttct attccaccat caccagggcc 300

aggtttgagg agctcaacat ggacctcttc aggaagtgca tggagccagt ggagaagtgc 360

ctga 364

<210> 8923
<211> 309
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054a12b1

<400> 8923

gtctcagttc aaaccagagt tctatgagag aactgacagc attatcgccc gctataagca 60

gggacaggtg tgtatgccag tttttgtgga gcacctcaag gatgaggtca ttggcttgaa 120

gaaagtggag gcccagaaga cacgagtatt ttctggtagt ccagcggact tcgcagtggt 180

gatgaggaag tatcttctca cgacagtgcg agtgatccaa aacaatcgat atgttttcga 240

atgtgctcct ggaaccaatg caacctcgtt ggagtggtgt gagatttatc actacctcat 300

ccaacatgg 309

<210> 8924
<211> 257
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054b01b1

<400> 8924

gcctaagagg agcttgcaca ggtaaaacat cttgaaaaat ctcaagggtg aacgaagttt 60

cttggcgggc atgcagggca cgagagacat gtctgccaag ggcggcaagg ccctggtcca 120

gtcggacgcg gggaagtatg tggcgtggtc gggcgtcgac cagccggagc tcgctgcaga 180

ggggctcggg tgtggcttgc tcctgctcag gccgctctcc tttgcgctga cacactacgc 240

cgactgccac aagttcg 257

<210> 8925
<211> 369
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054b02b1

<400> 8925

gttcttggtc tctgtttctc cagtctcccc accgtcctcc ctcatcccaa atcgaaccgc 60

ctccccgtcg catcgatccc aatctgacca cccccaaaac cctaaccctc actcgcctcc 120

tagcacggcg gcgagtcacg gcggcggagg cttgagatgg ctgcgcgggc gtaagcattt 180

cggaggcgat cgcggaggtg ggggcttcct gtgacccgcc agcggtctag ctggtgccgg 240

cccgtgcccg tgggtatggc gacgtcgtcg tcggctagcg ggggcggtgc cgccgggggc 300

gcgcctggac tcaagactta cttcaagacc cccgagggcc ggcataagct gcagtacgag 360

aagacccac 369

<210> 8926
<211> 419
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054b03b1

<400> 8926

ggtctggcgg cagcggtgcc ggcgactccg gagagtacag cgcagcggcg gctggaggtg 60

cgaagcctcc tcaggcggct caataagcct cctgtcgcaa gcattcagag ctcggatggt 120

gatgtcatag actgtgtgca catatccaaa cagcctgcat tcgatcatcc tctcctcaag 180

aaccatacta ttcagatgcg gccttcttac aacccaagag gcatgcatca tgactccaac 240

atcacagccc atgcaatcac tcaaatatgg catcaaaatg gcacgtgccc taagaacacc 300

ataccaatcc gaaggaccaa ggaggaggat gtcctgaggg ccaattctat taggaggttt 360

ggcaagaaga tgcctaggag catcccacac ctcaatccaa ccaatgacac tgacacacc 419

<210> 8927
<211> 367
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189054b05b1

<400> 8927

ttttangtgg catgcaccca tgattgacaa ccctgcctac aagggaatct ggaagcccca 60

agaaatcccc aaccctgaat actttgagct tgacaagcct gactttgatc cgattgccgc 120

tattggaatt gagatctgga caatgcagga tggcatcctt tttgacaaca ttcttatcgc 180

cgatgatgag aaggtagcca ccgccatctt ggagaagaca tggaagccca agtttgatgt 240

tgagaaggaa aagcagaagg ctgaggaggc tgcagcagcc gattcagagg acctttctga 300

gttccagaag aagatcttca gcgttttgta caagatcgcc gacattccat tcttggaacc 360

ttacaag 367

<210> 8928
<211> 301
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054b06b1

<400> 8928

ttatttacaa agaaaatggc ctctacggaa accactagca gcaacaagaa gctgcgcgtg 60

ctcctcatcc ccttcttcgg ctgcagccac ataggaccct tcaccgagct cgccgttagc 120

cttgcgacgg ccagaccaca tgccgtagag gccaccgtcg cggtcacgcc ggcgaacgcg 180

tcgatcgtac ggtcgttgct ccagcggcat gagaacggcg gcacacctgc gcaggtggcg 240

acttacccgt tcccggccgt ggacggcctc ccgaggggcg tcgagaacct gggtgcggca 300

g 301

<210> 8929
<211> 276
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054b07b1

<400> 8929

ctcacgcgtc cgtgcacact tctctcccac ccccaccagg ccacaaccat ctctccctcc 60

cctgtttctc gccttatctc cattgccgcc tgctgcgcgc ttcagcctag ccaaggaacg 120

aggaggagcg ggttgttgtc atggcggcgt cggcggcggc tgtgatggag gagctgcggg 180

gcagcttcag ggaggggcgg acgcggccgg ccgagtggcg gacagcgcag ctcagggcgc 240

tcgtcaggat gatcgaggag aaggaggacg acatca 276

<210> 8930
<211> 350
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054b09b1

<400> 8930

gtagcaaaca ccattcaagc tagctacagg gcactagcta gacagagcta gcaatggcga 60

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ccccggcgcc catcgtggac ttcgaggagc tgaccaagtg gtcgctctac cgcgcggtga 180

tcgccgagtt cgtcgccacg ctcctcttcc tctacatcac cgtggccacc gtcatcgggt 240

ataagcacca gtccgacccc accgtcaaca ccaccgacgc ggcctgcagc ggcgtcggca 300

tcctcgggat cgcctgggcc ttcggcggca tgatcttcgt cctcgtctac 350

<210> 8931
<211> 314
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054b10b1

<400> 8931

gaaaaattgg atagctacgt gcattcgcca gaccaaatat tttacagtac cttgcatcac 60

agaataacaa caaatatttg aaatttgacc atagaggaac actacaatac agtcaagtaa 120

aatatctgaa cattcttagt ttaccgtcca aaatacttga accacaggcc ggcattcata 180

tctgacttgt tctatttctc gcagatcatg tctttatgcg caccacaaaa gaacatgctg 240

gaaggtttga catatctgca gagacagcac acggaattcc caagtttgtg agagcacctc 300

ttattaaccc acat 314

<210> 8932
<211> 346

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054b11b1

<400> 8932

tgtgcgagcg tctccggagg ccccaaccct agatcgagca gagcggccga cctcctccct 60

cccacgcccg gctgctaaag gcagcgggcg aggtcagcgc gccccgacga gcctccctcg 120

cgcgggggag cggcgtcaag ggggcgtcgc ggtggggatc tccggtgagg cggcgcgcgg 180

cgaggtgcgt atggcaaggc ggagcacggc cgagggctcg aagtggaggt gctgggcacg 240

gtgttcttcg cggcgtcggg cggaggttgg aggggctgcg cacccaggcc ctagaggcag 300

cagatctcgg ccaggagagg ccgcactggc gatggccggg atttgc 346

<210> 8933
<211> 209
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054b12b1

<400> 8933

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ggaggccggc ggccatggaa gaggagagga aggggttcca gccccacctg atgggcctgg 120

gcggcgggag gctgaggggc gcggcggggg cgatgggcct gcagaagcag aactcgtggt 180

cgcccgacat cgagcgggac gaggcgtgg 209

<210> 8934
<211> 181
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054c01b1

<400> 8934

attgtactag gtctcggtca ttcctctctc tctctccctt gcttggggaa gaagaagatg 60

atgatgagag ggcaagcgcc cccgtctccc gacgccgtcg tcccttgccg ccgatctgat 120

ctcaggagcc agcgaagatg cattccacca ctctgctcct cgaggagccc atccggatgg 180

t 181

<210> 8935
<211> 247
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054c02b1

<400> 8935

gtcttcagcg agcggctgca gcggctggcg acgccgtcgg ccccggcgga ggacgacgtg 60

gacgtggacg ccgacggcga cagtaccact taccgggaca tccacccgtc gccggcgccg 120

gcgccgttgc ggcagccgtc ctgggacgtg gccagccagc gctcgctgtc cttctactgc 180

gacgagcagt tcatgtccag cagcatgggc cgcgagttca tggccatggt ggatgcgggg 240

ggcgcgc 247

<210> 8936
<211> 265
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189054c03b1

<400> 8936

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gcttcggaat cgcagcgatc acccaaacct tgtgtcatat cgatgtagtt tgaacttgtc 120

tgccgaacta ctagtgggaa taaattgtca atgtgcattt cttcatgtac tttatgtgcg 180

gtgcaagtga cttcagagtt ttccggtcaa cttgttggtt gtgttgcaaa cattctgaga 240

ttgttcaagg aaaatggtgt gggtg 265

<210> 8937
<211> 276
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054c04b1

<400> 8937

gatctttgag gtgaaggcca cggctggtga cactcacctt ggtggggagg actttgacaa 60

ccgtctggtg aaccactttg tgcaagagtt caagaggaag cacaagatgg atatgacagg 120

aaacccgagg tctgtgagaa ggcttaagac ttcttgtgag agggcgaaga ggatcctttc 180

ttgcactgcc caaaccacca ttgagatcga ttcactcttc gagggagttg atttctatta 240

caccatcacc agggccaggt ttgaggagct taacat 276

<210> 8938
<211> 410
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054c05b1

<400> 8938

ctttcgcgtc cggtgaggaa agctctgtat gcctccaaga tctgcagcta tgcccagggc 60

atgaacatca tcaaggccaa gagcgtggag aagggatggg gcctgaacct gggcgagctg 120

gccaggatct ggaagggcgg gtgcatcatc cgcgccagct tcctggaccg catcaagaag 180

gcgtacgaca ggaacggcga gctcgcgaac ctcctcatcg accccgagtt tgcgcaggag 240

atcatggaca ggcaggccgc atggaggagg gtcgtgtgcc tcgccatcaa caacggcgtg 300

agcacccccg gcatgtcggc gagcctggcc tactttgact cgtacaggag ggagaggctt 360

cccgcgaacc tcgtgcaggc ccagagggat tactttgggg cgcacaccta 410

<210> 8939
<211> 345
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054c06b1

<400> 8939

gtcctccgct gccaatgggg atggcgaggg ccctgctgcc gcagcgcgcg ccgctgctcc 60

ggcggctcct catggccggc gcgctggccg cctcctgcac ctgcttcctc ctcgtcctcc 120

aggcgcaggc ctccgtcccg ccgcgctacg acgggttcgc ctacggggtc ggggccgccg 180

cctggaagga cgccgtcctc gtcgaggcct tcctcgaccc gctctgcccc gacagccgcg 240

atgcctggca cccgctccgg ctcgccgtcg agcgctactc cccgatggtc tccctcatcg 300

accatccctt ccctctcccg taccacacct attcatacca tgcct 345

<210> 8940
<211> 421
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054c07b1

<400> 8940

ttgtctccgt gtgggcggag cgaagtggga gccaacgcca agccagccga gcggactcct 60

ctcctcctcg cagcagttcg cgattcgccc ccaaatccag cgccctcccc gccggaatcc 120

ggcgccgaat cttgcagaga gcttgaaccg agctatggac aacttgtggc atctcggaga 180

tgagttccgt gggcaatcaa aggtggtgga ggaccgccaa tggtctctca tgacatcaaa 240

gctggctgag atcacaaagt caaaggctga gaggatgaat gactttgagt atgcacggat 300

gaacaccgtc cctgatgtga agcaatggga taagttatcc taccaccaag aagacaacaa 360

gatggaccac ctcaatcttg gcctcatgaa cctggatctt aagatgaatg atctcaagat 420

g 421

<210> 8941
<211> 64
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054c09b1

<400> 8941

aaaaaaaaaa aaaaattttt aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaataaaa 60

aaaa 64

<210> 8942
<211> 374
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054c10b1

<400> 8942

gtcgcgcctc cccccgcacc acctcgatga cttccgagac ccggctcgcc tgccacctgg 60

ccaccccgac agcctccgcg agcatcctcc tccgccgcgc caccacttcg caggccacgg 120

cggaggggcc ctgccccccg catcgcacat ggccgcggcg ctggaggaac gtatcggcgc 180

ggagatcgag gaggcgcacg cgctgctcgg acagaaccag cgactctctg cgacgcacgt 240

ggcgctcgtg caggaggtct ccgccgtgcg gcacgagctt ggccacaccg ctcgagccat 300

cggcgctgcc cagcaagagg gagatctccg tattcgtgag gtctatgaga ggttaatgaa 360

aatggaagca gagc 374

<210> 8943
<211> 316
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054c11b1

<400> 8943

tggacgcgtg ggcgaccgga tcgtcgccag gggccactac acggagcgcg ccgccgctgt 60

ggtcaccaag accatcgtcg aggtcgtgca gatgtgccat aagcatggag tgatgcaccg 120

ggacctcaaa ccagagaatt tcttgtttgc aaacaagaaa gaaaccgcgg cgctgaaagc 180

aattgatttt ggcctgtctg ttttttcac tccaggtgaa cggttcactg agattgttgg 240

aagtccttat tacatggctc cagaggtgtt aaagagaaac tatggccaag aggttgatgt 300

ttggagtgca ggagtg 316

<210> 8944
<211> 333
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054c12b1

<400> 8944

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agcctcctcc ctccctcatg gcggaccagc tgaccgacga gcagatcgcc gagttcaagg 120

aggccttcag cctcttcgac aaggatggcg acggttgcat caccaccaag gagctcggaa 180

ccgtgatgcg gtccctcggg cagaacccca cggaggcgga gctgcaggac atgatcaacg 240

aggtcgacgc ggacggcaac ggcaccatcg acttcccgga gttactgaac ctgatggcga 300

ggaagatgaa ggacactgac tcggaggagg agc 333

<210> 8945
<211> 117
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054d02b1

<400> 8945

cgtgctgcaa gccagttcat cctgcgagca ctacttttac ctgctgtacg aagcaggcta 60

gcaagcaact aggagctaac cagccaggca ggcgaggaga gcatggcatg ctaccac 117

<210> 8946
<211> 103
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054d03b1

<400> 8946

ccttggtcct ccggtgagag gtggcgccga agccggtggt gacaccgtag ctgtcggtgc 60

cgttcatcat gctgttcatg acccagtcgc tgctctcctt gac 103

<210> 8947
<211> 52
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054d04b1

<400> 8947

tgggattatg gatttctggg tggctataca tccagatgca gaaaccaagc ca 52

<210> 8948
<211> 82
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054d05b1

<400> 8948

gcgttgtata cgactgcaac aacgttgtgg agcaggagct cccctgtgga ggcgtcctca 60

tctaccagag ctttaccgtg aa 82

<210> 8949
<211> 400
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054d06b1

<400> 8949

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tcttgcgtta gtctcatggc aggccactgc ttctgatcct agcccactcc aagacttttg 120

tgtcgccgac atgaattcac cagtccgtgt caatgggttt gcttgcaaga acccgatgga 180

ggtcaatgca gatgacttct tcaaggggggc caacctcgac aagcctaggg tgcccaacaa 240

ggctggatcc aacgtcactt tgatcaacgt gatgcatatt gctggactga acaccctcgg 300

catatcaatt gcgcgcatag actatgctcc cttgggccaa aacccaccac atacgcaccc 360

tcgcgccact gagatcctca cggtgctcga gggaacactg 400

<210> 8950
<211> 64
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054d07b1

<400> 8950

tcacgcgtcc gcccacgcgt ccgctggaat aaaagcccat gcaggtctca acatcgtcca 60

gtag 64

<210> 8951
<211> 439
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054d09b1

<400> 8951

gtttgagacc cgaggcggag atggatctgc tggagaggag cgcagccact attaaggcgg 60

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agacccagca gcaaggccaa gggctcaccg gcagaccccc gctcgccaac ggcaggtctg 180

gaatgttgcc aatgtcgagc cctccagcaa atccgggaca gcttaccatt ttttatggtg 240

ggtcagtatg tgtgtatgac tcagtgccac cagagaaggc tcaagcaatc atgctcattg 300

cagcagcagc tgctgcggcc tcaaaaagca atggcaccgc tgctgttaag cctccagcga 360

tgtctgcgac caatgcgatc caagccatgc ttacgcggtc gctctcactc cagagcactt 420

ctgtagcaaa tggacaacc 439

<210> 8952
<211> 355
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054d10b1

<400> 8952

ttataggagc ggagccgccg agccgggaag agccaccacc ccatcccatc gcccgcctcc 60

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ggtggacagt tccaccttgc ctccagcttc tctgagggtg ttcgtgctcg caacatctgc 180

ccttctgtgc catcctatga gaggcgcttc accacaagca gctacatgac tcagaacctt 240

ggcatcagtg tcccaatcat gtcatcttct ccaatgtttg ccaatgcacc ccctgagaag 300

aaaggtgtca agaactttgc gattgatttc ctcatgggag gagtgtcagc tgcag 355

<210> 8953
<211> 332
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054d11b1

<400> 8953

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caaggatctc gtcctgaaac tggagcctac aagcactcaa aggaagaaga gcaagaagac 120

aggctcccag ccgatacaag gtaggagcga acaacgttag ggtactgtcg ttatatcctg 180

agttgatatg gtgacagtga gagaagagac acgcaaaggg ccatggacag agcaggagga 240

catgcaactg gtatgcactg tccgtttgtt cggtgaacgc cgttgggatt tcattgccaa 300

agtatcaggc ctcaaccgca caggaaagag ct 332

<210> 8954
<211> 427
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054d12b1

<400> 8954

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atgctgcctg atctgtattt cttgatcaga ttgctgttgt accgaatcat tgagatagca 120

aatacatgta gcttagtgtc agatgtactt gatttattac cctgagctat gtttctccta 180

gataataagc atttcaggca gcttggaaac cgaatcctta gatcaatgaa atctgtagac 240

ttttatgtta catatgcatg gacctatagt ctataatatc ttcaatgaaa atatatgctg 300

ctgccataga agcttatcga agctaggttt ctcttagata ctaagcatgt caggcagcta 360

tgtagaatcc aaatgaaata tgtagaaatt tatgtactgt ctgtaatatc ttcaatgaaa 420

aaatatg 427

<210> 8955
<211> 138
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054e01b1

<400> 8955

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agccaccgct accgtacgcg tacaagccgc tgccctccgg cgccgccgcc gccgacgccg 120

atggtgagcg gaccggct 138

<210> 8956
<211> 190
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054e02b1

<400> 8956

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tatatctcta ccaaacgaaa ccaaacccat cgatcgatcg cctgccttcc ttccagcata 120

tacatcgaca gacggtcgaa gaagatggcc atgccgccgg cggagaaggt gatcatggtg 180

gacgccaacc 190

<210> 8957
<211> 274
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054e04b1

<400> 8957

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cggagcccct gacggagggc gagaaggccg acctggacgc catcctcgac atcaaggagt 180

cggtggagcg cgagtacagg gaggagggca accaggtcgg caagaagggc cggaagcact 240

accccgacga cgacgactgc tacaccaagg gcat 274

<210> 8958
<211> 419
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054e05b1

<400> 8958

tgttgctcga ctcgcagcag cagcagccgg cggagatcgt atcatggcga tggagggcta 60

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cctctccctc ggcgactcca tctggtcccc cgccgacgcc gccccccgcg cccgcaacgc 180

cgacctcttc tccccctccc cggcgcccga caacaacaac gccgccaaga tgaacggcaa 240

cggcctcaac gggcccggcc tcatcgggtc cggcaagctc gccttcggcg ccaccaccac 300

cagcaaggcc gaccgctaca acaacgtcag cctccccgcc gtcgtcgacg ccaacgccaa 360

gccctacggc aacgccaacg gcctatacgg tgccaagccc aacaacgcca ccaacaacg 419

<210> 8959
<211> 316
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054e06b1

<400> 8959

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gttgaggaca gcgggaacac ggcgccgtcg tcgccggccg ggctccgcgg cgccgacctg 120

gccctgaggg tgcttctgtt cgccgtctcg ttgtcggggc tcgtcgtgct ggtcaccgtc 180

aagcagacgg agatggtgcc cctggtcctg acgccgccgt tcagattcgg gccggtgccc 240

gcccagttca aagactcgcc agcgctcatt tatcttcttg tggcgctgtg catgacgagc 300

ttgtatagcc ttctga 316

<210> 8960
<211> 414
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054e07b1

<400> 8960

gacccaaatg ttagataaat gttcccttgg ttacttgggt tggatatgtg atacatccct 60

catggcaccg tccggcatgc ccctgcttcc aagagataca aatcatgact gtcctccgga 120

gttgaagcat ttgtcaaagg aaatagttaa caagtgcaaa ggcttgcctc ttgttattgt 180

gttagttggt agccttttgc gtgtgcgtga gaaaactgtg gaagaatgga gaaaaataaa 240

tgaccaattg ggttgggagc taattaacaa ttcgaggttc gatcacataa ggaatgtttt 300

gcatctgagt ttcatgtatc ttccaacaca tttgaaaagt tgtttcctgt actgcagttt 360

atttccagaa gactatattt tcaaaaggaa agaacttgta cgattatgga tagc 414

<210> 8961
<211> 122
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054e08b1

<400> 8961

tctacgcgtc cggtattctg caccggccga cagcttctga gatttgatct ctatccctat 60

atgcaattaa tcttagttaa gcaagcaagt tactagctgc tagctaacaa gaaatagaaa 120

tg 122

<210> 8962
<211> 339
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054e09b1

<400> 8962

tattgcgcct tcttcgacta cgccagagga aatgccgtcg gcatggcacc gggcgcgcgc 60

atagccgtct acaaagtgtg ttggaaaggg tgcgcgagct ctgacatcct cgccgcgttt 120

gatgaggcca ttgcggacgg tgtcgacgtt atctctctct ccctcggctc caacggcaag 180

gccccggact tttatagcga tacgaccgcc gtgggtgcgt tccgcgccgt cagcaagggc 240

atcgtcgtct ccgcctcggc gggaaactcc ggccccaaag agtccaccgt cgtcaacgtc 300

gcgccatggt tcttgacggt cggcgcgtcc actctcaac 339

<210> 8963
<211> 345
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054e10b1

<400> 8963

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acttcctcta tctctcactc acaggcgatg tcgacaagga cgagacggag atattgggtg 120

cgaggggagc tccagaaaac gatggaggtg tgcccgtccc gtcccgtggt cgacagggcg 180

tggcactcct gtcaccagga aagggattca aatttagagt ctggctatgg tgagggccgt 240

agtgcatgag ggagaagctg gggcgatgga ttcacgagaa actcacccaa acgccttctt 300

cagtagctgc ctgggcggac ggcgccggct cgacctacag cgaac 345

<210> 8964
<211> 259
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054e11b1

<400> 8964

tttcccgccg cgccgatccc cccaccagcg cagcagcagc catggcgacc gcctacaacc 60

ttcggtcccg cgacgagccg gacgacttcg acgagttcga ctccacgccc tacggcggcg 120

gctacgacct cttcgtcacc ttcggccgcc cgctcccgcc ctccgacgag acctgctacc 180

cctgctccgc ccctccacc tcctacgacg cgccccacta cgccgtcgag gagccctccc 240

cctacgccca ccaccagaa 259

<210> 8965
<211> 327
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054e12b1

<400> 8965

ttcacgcgtc cgcccacgcg tccgcccacg cgtccgccca cgcgtccggc agacctgact 60

ttgactgtag aagtactgaa gaaaccgagg cttggttcat agattctttt gaggaatggc 120

gcaaagcaaa aaacctcagt aattttatat tgcttggtca ttctttcgga ggatatgttg 180

cggcaaagta tgccttacag catcctgaac atgttcagca cttgattttg gttggttctg 240

ctggcttttc gtcagaaaca gatcatagtt ctgagtggtt aaccaagttc cgtgcaacgt 300

ggaaaggcat gctagtaaac catcttt 327

<210> 8966
<211> 242
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054f01b1

<400> 8966

agtttccaaa cgccctactt taattttaat tatcgccgct gctcccacgc gccttcacgt 60

acgtaccgac gacctttcgc tcgcttttct tccgcctagt ctgcccgcca gatctgcatc 120

cgcggagatg aagatcacgg tgcggggatc gacggtcgtg gtgccggcgg aggagacgcc 180

gcggctccgg ctgtggaacg ccaacccgga cctggtcgtg ccgcggatcc acacgccgag 240

cg 242

<210> 8967
<211> 257
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054f02b1

<400> 8967

ctcttcgtcc gcccacgcgt ccgagctcct ctcccccgct ctcctccacc cctcccatgg 60

ccgcccccag ctcctgggcc tccccgttcc acgaaaagag agcttagcgc tgccgagccc 120

tccgtcctct ccacttcccg gctgctttct ccgtccgtcc ggtcgtcaat cttcgtcgag 180

cagagagagg gagggaggag gtcgtcagat tcgcgcgaga tccatgggga agtacgtgga 240

gctgctggac atggggg 257

<210> 8968
<211> 363
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054f03b1

<400> 8968

ggcttccaat tggtcaacat atcagttgca gaggtcaaga tgctacaggt gaagaagtaa 60

tcaagcctta cacacctact acattggatt ctgatctcgg aaattttcag cttgttataa 120

agatgtaccc tcaaggaaga atgtcgcatc acttccgtga aatgaaagtt ggtgattata 180

tgtctgtgaa gggacctaag ggtcgtttca agtaccaagt aggacaagtg agagctttcg 240

gaatgctggc tggtggatct ggcattactc cgatgttcca agttgcaagg gcaattctcg 300

agaaccctaa tgacaaaacg aaggggcatc tagtctatgc aaatgtcaca cctgaagaca 360

ttc 363

<210> 8969
<211> 385
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054f04b1

<400> 8969

cttttcccct aggctctcct tcgccgtcgg tcgggctccc tctccgacac gccgccgtcg 60

atacatccac ccgaggcatg gcgacggcgt tcaaggcgtt cgtgaacagc cccgtcggcc 120

ccaagaccac ccacttctgg ggccccgtcg ctaactgggg cttcgtcctc gcgggtttgg 180

ttgacttgaa caagcctcct gagatgatat ctggcaatat gacagccgcc atgtgtgtgt 240

attctgggct ctttatgagg ttcgcgtgga tggtacagcc ccggaactac ttgctcctgg 300

catgccatgc ctccaacgaa accgttcagc tctatcattt atctcgctgt gctagggctc 360

aggggtatct ggattccaag aaaga 385

<210> 8970
<211> 354
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054f05b1

<400> 8970

gtcatatgcc ctttcaaact gctgatgagt ttccggtgaa cacagtatca atcaggtttc 60

ctcgtctata gtacttttcc ttcatcaatc ttgtacacaa actatctggt cgctcaatca 120

aacgccaagc ttgcctcgaa agcaaagcct ggttaaagag gcccatgtca cgaaaaccga 180

gaccaccttg attctttggg agaattaatt tttcccatgc aatccagtgt gtcttatgtt 240

ttcctttctc cacaccccac cagtacctcc ggaccatctt ggtcagttca tcacacaccg 300

acaatggagt ttaaatacgc tcataacata tgtcgggata gcattagcaa ctgc 354

<210> 8971
<211> 311
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054f06b1

<400> 8971

gtttgacagt aatgttgtcc aacaaggaat tgataaatgc ccattcctga ggaacatcaa 60

cgagcctaca agtttttcct tgacatccat taatttcccc actccggcaa ccggagcaaa 120

gggtccaatt tttgaagacg ggcccaactt tgacacggca tttcgagttt tccacggcag 180

agacggggtt gttccacttt cagaaggagc atttgctcat attgagaagc ctctgccaaa 240

gcccgctcca gaatttaacc ccttggcagc caaagcagct accatcagtc tctcaggatt 300

cggaggcttt t 311

<210> 8972
<211> 261
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054f07b1

<400> 8972

ctcacgcgtc cgcccacgcg tccgctcggc cccgccatgg aggtgttcta ctacctcgtc 60

ttcggcggcc tcgccgccgt cgtggcggcg ctggagctcg gcaagtccgg caaggaccgc 120

gtcgccaccc cgacggcctt caactccttc aagaacaact acgtcctcgt ctactccctc 180

atgatgtctg gggactggct gcaggggccc tacgtgtact acctctacag ccagtacggg 240

ttcgacaagg gcgacatcgg c 261

<210> 8973
<211> 302
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054f08b1

<400> 8973

tttgtatcaa cgaggacaac acggtcatca accgcgaggg cctgatgaac atccacatgc 60

cggcctactt cgacgctctc gccaagggcg tctccaccgt catgatctcc tactccagct 120

ggaacggggt caagatgcac gccaaccaag atctggtcac cggatacctc aaggacacgc 180

tcaaattcca gggcttcgtg atctcagatt ggatgggcat tgacaagctc acgacccctt 240

atggggcgga ctacccctac tcggtcaagg cttccgttct tgccggcctt gacatgatca 300

tg 302

<210> 8974
<211> 280
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054f10b1

<400> 8974

ttgagagcca tcgcggcaac cacaaacaaa cccagctgaa aggcgcacac accaccgtgc 60

aggttacatg ggaggaggcc gcggtctggt caccgggttc tacgtctggg gctgggagtt 120

cctcaccgcg ctcctcctct tctccgccgc cctctcctgc tagcttctcg atcaaccctt 180

gaatcttgat tgattataat ccagttctac gcatacatag atacaccaaa cttactagta 240

ttaggtagag agacatctgt taggtgattg tgattgagcc 280

<210> 8975
<211> 400
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054f11b1

<400> 8975

tttgctcgtg acgctcggcc tccccatgat cctcgaggag ccgctcctcc acaccgtgca 60

cctcccgccc atcctcgtca gcggcgacta caaggcgctg tacaagtact tctacgccgc 120

cgcgaccaag gcgctcgaca ccgccgaggg cctcgggctg aagcgggacg aggcatgcca 180

caacctgctg ttcgccaccg tcttcaacag ctacggcggc ctcaaggtgc tgctcccggg 240

gatcctcgcg cgcatcgcgg gggccggaga gaagttccac cagaagctcg tcgcggagat 300

acgcgccgcc gtggctgacg ccggcggcaa ggtgacgata gaggcgctgg agaagatgga 360

gctgaccaag tcggctgtgt gggaggcgct gcggctggac 400

<210> 8976
<211> 109
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054f12b1

<400> 8976

tccacgcgtc cgcccacgcg tccgtctcag cagaaatctt tctttggttt tggaacccct 60

ggtgactcat atggaagagg cttctctcat agtggtgggt tcccacagg 109

<210> 8977

<211> 169
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054g02b1

<400> 8977

gctccgcgct gctgcacgtc gtctccgggt acaccacgcc ggcgccggag ttcttcttcc 60

cggcgagcaa gcaggcgtgc tcggcgtgcg ggaaggacgg atgcctcggg tgcgagttct 120

tcggcgcgga ggccgggcgc gcggtcacgg catcggacgc gccgagagc 169

<210> 8978
<211> 353
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054g03b1

<400> 8978

gtgttctcag ctgaagaaat ttcttccatg gtcctcatca agatgcgtga gatcgctgag 60

gcttacctag gagtaactat taagaatgct gttgtcaccg tgcctgctta cttcaatgat 120

tcccagaggc aggcaaccaa ggatgccggt gttattgctg gtcttaatgt gatgcgtatc 180

atcaacgagc caacagcagc tgcaattgct tatggtcttg acaagaaggc taccagtgtc 240

ggtgagaaga atgtgcttat ctttgacctt ggtggtggca cttttgatgt ctctctcctt 300

accattgagg agggtatttt tgaggtgaag gccacggctg gtgacactca cct 353

<210> 8979
<211> 356
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189054g04b1

<400> 8979

anttcaatca ccgtgtgtga cagaattaaa catggctatg agaggcaaca atgtcaagac 60

cattgtgatg atgctcgtag ttgtgggtgt tgtggccatg gagcaaaccc agcaagtaca 120

agcatcccac tgttgttatg atctcaactc ggtcgatacc tattttaagt gccgcgcaaa 180

atctgatagc actgtctcag agtgctgcgg tgtttccgct ggctatatat cagaagccgc 240

tggatttgaa tgcaagcccg gttatataga tatagagact gcactgtaag ccaccaacta 300

ctgcaagatt gggtgcacgg ctttcttgtg caacaaatta actccttctg ggaaag 356

<210> 8980
<211> 326
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054g05b1

<400> 8980

tgcgcaacaa caaacaacgc tccctgtgcc aactcacagc acattactgt actgtacgac 60

cggagtaccg ggcaatgatt tcaaacaatg gctacagcct ggacggggca gcgcctctgc 120

cccggccgta cggggaaatt caatggctgc tgactgaccc cgtcactgtg caaatctctg 180

catacacacg ccccaggagt aaaaactcgt atttttcacc tcccgacggt gaatgaactt 240

acaacaattt cgctatcgct ttgctaaatt cgggcgcaaa attgacctgc atcatggcct 300

agctttctac cggtaaaaca cttttt 326

<210> 8981
<211> 219
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054g06b1

<400> 8981

cctacgcgtc cgcggacgcg tgggctcctc agcatcttct catctggcga cgaagaggcg 60

acgtcggggc gctcctgctc cgtcgcgacc cccacgccct tctgacctat gtcggatcag 120

ggaatacatg ctgcttctgt tcgagacacc ctctggcttt gcagtctttc ttttttgtgg 180

gtcactcatt aacccaccta gatctttgga ggacatatg 219

<210> 8982
<211> 107
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054g08b1

<400> 8982

ctgacgcgtg ggcagcgcgt cgggcttcgt cgccgaggtc gtcaccctct tcatcgacga 60

cgccgaccgg atcatcgtcg acatcgggag cctgttggac cagcccg 107

<210> 8983
<211> 386
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054g09b1

<400> 8983

tttggctctc ctcaagaact tcgccgcttt cctgtgcgtg atcctggcca cgctcgcctt 60

cgtcgcgcag gatgcgctcg tcgccagagg tgctttgaac aacgtgaagg gatacacggg 120

tacctacaca ggcaacccag gcggtggtta cggcggtggt tatgggaacg ggaagtatcc 180

atgataggcc gcatatgatg atacttggag cacggaaata caaaatacgt acggcagacc 240

atgaataaat tatcacccgt tactggtata tcgtactctc tctgatccat aataagtctc 300

gcagttttgt accaaggtca gttcaaacct taatacaaaa ctgcaacact tatcttagat 360

tggagggagt accaaaaaca tagtga 386

<210> 8984
<211> 224
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054g10b1

<400> 8984

tacgcgttcg agggatttca tctccaacgg cgttgatgga atatggaatg atatgaacga 60

gcctgctatg acaactacta ctaaaacaat gcctgagagc aatatacata gaggagatgc 120

tgatattggt ggtgtccaga atcattctta ctatcataat gtttatggaa tgctgatggc 180

aagatctact tatgaaggaa tggtgatgtc caatacagaa aagc 224

<210> 8985
<211> 213
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054g11b1

<400> 8985

tgaaggggac cgggaagtgg acggtgcagc aggcggcgga gcttgcagtc gctgcaccca 60

ccattgcagc atcactggat gggaggtact tgtcggggct caaggatgag cgagttgcag 120

ccgcaagtgt gctagaggaa gaggggatgc cagttgggct tctggagaag attaatgtct 180

ataagaagga gctggtggac agggtgaggt agg 213

<210> 8986
<211> 195
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054g12b1

<400> 8986

tgtggccacc atttatgccc atcattcatc atgacatttt aaatgagata ccaatccacc 60

tacaaaggat gcagtacctt gcattttgtt cattgttggg attgacgtta tgcctctttt 120

ggaacatcat tgcaactacc gcagcatgga ttaaaggggc aggtgttgtc atctggttgc 180

tagcaattat ttact 195

<210> 8987
<211> 253
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054h02b1

<400> 8987

gtttgtatgc tgaggaacaa gcaggcagtc cgggatgcgg cgatcggcga tggcgctccg 60

ctccacggcg gaccggtgct tcggccacca ctcaccgttg acgaacggta ttcaatcaac 120

attcagtgca aacgtcggtt caagatgggg aagtcttgca agagctttca gtgcaaaacc 180

acttggaaat gaggttattg ggattgattt gggaacaacg aattcaggtg tttctgttat 240

ggagggaaag aat 253

<210> 8988
<211> 172
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054h03b1

<400> 8988

ctactgcacc cggaagggct ggcccaacag tgtgggtttt ggcacctacc agagagccag 60

catcacagat aatggacgaa gctgaggcat tgggcggatc atcaagaatt gcttctacgt 120

gcctttatgg cggagctcct aaagggcccc agtttagaga tttagaaaga gg 172

<210> 8989
<211> 346
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054h04b1

<400> 8989

cctctcgtcc gcggacgcgt gggttcagct aagctaaaag tgagtgttgt cttaaagtga 60

gatggagcaa tatgaaaagc ttccaaaagg agatatggta ttagaggccc tatacaacaa 120

ctgcttgcaa ctggtggaca cttcgctgag ccatttggca actgagccat cagttgacaa 180

agcacacgag actcattctg taccattttc attatatgct ctctctagaa tgggatttaa 240

cttgctgaag agaaaaaatg aaactgaaaa ggagataagc tcttgtgctg tttgtgttgg 300

tgcgacaaaa tctgtggagg ctgctgtgca agagtcattt ctttat 346

<210> 8990
<211> 442
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054h05b1

<400> 8990

cctattcgtc cgggattcga tttggatttc tagggtttgc tcatcctcat ccccatcccc 60

tcctccgtcg ccggacgtcg tcttccccac ctccgatcaa atttgggatt tttcatcgat 120

ttccataaga tatgatcccc aactccttcg acaccttgct ctgatctgtc cccccaggaa 180

atcccacatc cagattccac atactatggt gcgccgccgc ccgtcttcct cctcctcctc 240

ctcgtcgccg atgctccaca agaacctccg tgcgctcggc cccggcctca atccgtttgc 300

ccccttcggc atgggcaact actcccgcta atccccccctc ccctcccctc tcctctgctc 360

tgatttgctt ttctccccgg atccgatttg cttctccccc cttctcgttc ttgatttgat 420

tggattggat tgctcctctc tc 442

<210> 8991
<211> 317
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054h07b1

<400> 8991

taaaataaaa ctctcgacgc ataccagatt tttaagtttc atgatggcgt cgttgaagat 60

gttgcttggc atttgaggca tgaatactta ttcggctcag ttggtgatga tcatcatctc 120

ctaatttggg atatgcgtag tcctgcacct accaagcctg tacagtctgt ggtggcacac 180

cagggtgagg tgaattgcct ggctttcaat cctttcaatg aatgggttgc tgtaactggt 240

tcaaccgaca agactgtcaa attatttgat cttcggtaga ttgatactcc gctgcacact 300

tttgattgtc acaaaga 317

<210> 8992
<211> 306
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054h08b1

<400> 8992

atggaaacct agctaagacc gaaaactcca atagcagtcc agcagaaaac taaatacatc 60

accagcatca atggccaggt cacaggcatt ggctgcaaca ttgttgcttg tcctggtggt 120

gtcccttgcc gcaataggga gtgttcatgg cgtttgcggt atgtcaaatg acgaattcaa 180

gctttgtcag cccgcggcgg cagtgaataa cccaacaaac agtccatctg ctgagtgttg 240

tgccgcgtta ggaaaggcaa acctatcatg catctgccgc tacaaaggca tggccggtat 300

atggct 306

<210> 8993
<211> 184
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054h09b1

<400> 8993

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aacacagatt ttggacgaag ctgtgaaatt tggcagatca tcaagaattg cttctacgtg 120

cctttatggc ggtgctccta aagggcccca gttaagagat ttagaaagag gggttgatgt 180

tgtt 184

<210> 8994
<211> 371
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054h11b1

<400> 8994

ttctgcgata cgagatcaac aggggcttcg ctagcctgtg ggcgattggt caaggccgtg 60

acctgaagaa attcctgatt gtggttgcag gcctgtggat cctctctttt cttggcagct 120

gctgcaattt cctgaccttg ctctacatag gtaaatgtgg tttcttgcta cagtctgttt 180

gttacttaca tatgtgcaat aagcttgcct agcattgttt cgctgatcat gccttcttgt 240

ttgcagtctt catggtgctt tacaccgtgc ctgttctgta cgagaagtat gaggacaaga 300

tcgatgcttt tggagagaag gccatggtcg agctgaagaa gtactacgcc atcttcgatg 360

agaagtgcct g 371

<210> 8995
<211> 192
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054h12b1

<400> 8995

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tctctataaa acaccgcgga tttcgaattc tgtcttcccc gcgggaatca caccggcgcc 120

tcctccctcg gcgcgcccgg accgggctcc tcccgcgggg ccggggctgg caccaggggc 180

ggcggtgggg gg 192

<210> 8996
<211> 67
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055a01b1

<400> 8996

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aggtttc 67

<210> 8997
<211> 124
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055a04b1

<400> 8997

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caacatcggg atgacctgga cttgtttatg cctgggcaga agacgtcaaa ttgatgggtc 120

cgac 124

<210> 8998
<211> 165
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055a06b1

<400> 8998

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ggcgtcggag gaggcaccgt cggcggtgag ctcggccggc tctaccgtgc gcgggaccga 120

tacgtcgtcc tccgccggcg cgagcaatgg cggcggcgcc gcggg 165

<210> 8999
<211> 352
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055a07b1

<400> 8999

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tgtatacctt gatgtccata aactccctga aagaccacag agtgaaattg accgcaggag 120

atgtttttgg ggctattctt ttgaaaatct tgccactgag aactccattg acgaagagga 180

agcggtattg atgctaatgt agagtattgt tctgtaataa agacgaaatt gggcgcgcat 240

cgcattgtca tgggtgctga gatggactgc tgtgattcaa ccgacgatgg agggcggttc 300

ttgtgggagt tgaaaacaag cagagagctg gagtatcata cggtggaaaa at 352

<210> 9000
<211> 305
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055a08b1

<400> 9000

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ggttcgagag cctcacggac aagagcaagc tcgatgcgca gcccgagctc ttcatccaca 120

tcatccccga caaggcgacc agcacgctca cgatcgtcga cagcggcatt ggcatgacca 180

agtcggacct cgtcaacaac ctcgggacca tcgccaggtc ggggaccaag gagttcatgg 240

aggcactcgc tgcaggcgct gacgtgtcca tgatgggcgg tttcggtgct tgggttctac 300

tccgc 305

<210> 9001
<211> 253
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055a09b1

<400> 9001

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ttcgccctcc tccttcccca ttgcgacagc ggcgcagccc accaaccacc cccacccgcc 120

ggcatgaggg agtgcatctc gatccacata ggccaggccg gcatccaggt cgggaacgcg 180

tgctgggagc tctattgcct cgagcatggc attcagcctg atggccagat gcccggtgac 240

aagaccgctg ggg 253

<210> 9002
<211> 384
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055a11b1

<400> 9002

ttctcggcgg cggcgcgcgc ataggaggcg aagcagcatc ggagccaagc caccgacgcc 60

accatgggta tctcgcgtga ctccatgcac aagcgccggg ccaccggtgg gaagcagaag 120

gcgtggagga agaagcgaaa gtatgagctc ggccgccagc cagccaacac taagctttcg 180

agcaacatga cagtgaggag ggtccgtgtt cgcggaggta acgtgaagtg gagggctctc 240

cgtctggaca ctggtaactt ctcatggggt agtgagggct gtgacccgca agacccgtct 300

cgtggatgtt ggtttacaat tcgtcaaaca atgagcttgt gaggactcaa acccttgtca 360

agaatgccat tgtgcaagtt gatg 384

<210> 9003
<211> 164
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055b01b1

<400> 9003

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ccggcgcagc tgcaggcgca ggcgctgatg tccggtgcgc agtc 164

<210> 9004
<211> 312
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055b02b1

<400> 9004

tcttcgccag tcgccgccac ctcccaccta ccgtcccgtc atcatcatcc atcctcatcc 60

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gccctcattt tgattgatct taagctgcag ctcggggatt ggctcgctgt tagcctgtcg 180

gaccaccct ccatggcgcc cgaagtgaag gtgccgctgc tggagggtag ggggtcgcga 240

cgcccgcgca gacgttgggg aacatcgtcg tgtccatcgt cggcaccggc gtgctcggcc 300

tgccctacgc ct 312

<210> 9005
<211> 322
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055b03b1

<400> 9005

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gaagggtatc aggttcattc gttcggattc gcaggttttc ctctttgcca actcaaaatg 180

caagcgctac ttccacaacc gcctgaagcc tgcatagctt tgctggacag caatgtacag 240

gaagcagcac aagaaggaca tccatgctga ggctgccaag aagaggcgcc gcaccaccaa 300

gaagccgtac tcacggtcga tt 322

<210> 9006
<211> 320
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055b04b1

<400> 9006

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agcgagcgga gggcgtaccg gtacatgcag gcgcccaagg tgcagggcct gggcggcatc 180

aagaactcat ggtccaacga ctccctcttc agcctcagct acgccggcgc ggggggcagg 240

gctcgtcgtc cactcgtgcg tctgcgcgcc caccacgcac ccgggctcct tccgctgcaa 300

gcaccaccgc cagagcgccg 320

<210> 9007
<211> 330
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055b05b1

<400> 9007

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gcaatgttgg tgcagggccc tctactagag gtctagtgtc aatgctgtct ggtcaagaag 120

agatgttcgc gttccaaagg gcgatatctc ggctcgtaga aatgcagacc ccgctgtatc 180

tcgagcgcgt ccagcatgtc cattcttccg cccttcaaca acagcagggc acccctgttc 240

tcgcataaca gagcactgga tcctcagtct gctccctggt agactggtag tactattcta 300

ttcattcttg gaaaataatc ttgcaactgt 330

<210> 9008
<211> 330
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055b06b1

<400> 9008

tctttacgcg tccgcccacg cgtccgccac gcgtccggga tgaacaaaat gtcgcaggcc 60

ttacataggt ttgtggtgct gaattcatag caacgtaatt taggatgggt gattttatcc 120

attgatgatg atagcaaatt gtgctaaggc ttgggctcaa tagggaaaga aagagagaga 180

gagagagccc tttttatact tgggataggc atacaattgg aaattttggt tggctattgt 240

ctgttggttc attgtctagc tataatgttt tgcttcgctg cctaaatgcg gctttgtagc 300

ctgaataatg tacagatttt ttggttgctc 330

<210> 9009
<211> 343
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189055b07b1

<400> 9009

ttttgaacgc cgccgtgcag cctagctcct ccttctctcc tccaaccttt tccccccctgt 60

tctgcaagcc ctttccgtct acttctggct gcttcctcgc gcaggtgcta ttatttctga 120

gcttccgagg cgacagagct gcacaagagc agagcagagc acgcataggg agagagggag 180

atgagnggag atcataagca tccacatcgg gcaggcgggc atccaggtgg ggaattcctg 240

ctgggagctc tactgcctcg agcatggcat ccagcccgac ggcctcatgc ccagtgatac 300

ctcggttggg gttgcaaagg atgcattcaa cacattcttc agc 343

<210> 9010
<211> 392
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055b08b1

<400> 9010

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ccatgggcta cggcaacgac ctgcttgggc ttatgttgga ggcgtgcgcg gcagagggcg 120

ggcataatcc gattttaagc atggacgaga tcatagatga gtgcaagacc ttcttctttg 180

ccgggcatga caccagctca cacctgctca catggaccat gttcttgctg agtacgcacc 240

ctgagtggca ggagaagctc agggaggagg tgctaagaga ggtgggcagt tgaggttccc 300

accggtgaca tgctcaacaa actgcacttg ctcaacatgt tccttctaga aactcagagg 360

ttatacgccc ctgtgtcact cattcagagg ta 392

<210> 9011
<211> 411
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055b09b1

<400> 9011

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gtggagagct ccagagagta gcattatgtt tgtgccttgg aaagcctgca gatatttatt 120

taattgatga gccaagtgca tatctcgatt cagagcagcg tattgttgcc tcgaaggtta 180

tcaaaagatt catccttcat gcaaagaaaa ctgcatttat tgtggagcat gatttcatta 240

tggcaaccta cttagcggac aaggttattg tttatgaggg acttgcttct attgactgta 300

ctgccaatgc accacagtct ttggtatctg ggatgaataa attcttatcg catcttgaca 360

ttacatttag aagagacccg accaactaca ggccacgaat caacaaactg g 411

<210> 9012
<211> 225
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055b10b1

<400> 9012

tgttcgaaag tcagctcaga accaatccag ccggaacgcc gacgaccaac gatggatgtc 60

gccgtggcga agcaactcag gcggatccgc acgctgggac gcggcgcgtc cggcgccgtc 120

gtgtggcttg cgtccgacga agcctccgga gagctcctgg ccgtcaagtc cgccggcgcc 180

ggtggcgcgg cgcagctgga gcgcgagggc agcgtgctca ccggg 225

<210> 9013
<211> 236
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055b11b1

<400> 9013

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cgtgtgcgcg tcggggtcga cggtggtgca gcgggcgagg aggaagtagg tgccgggggа 120

gtcggtgacg gggggctgga tgcgcgcgag cggctcgtcg acggagcgga actcgagcgt 180

gccgacgcag gtggaggcga gcagcggcgt gaagaccatg tggttgcgcg gggaga 236

<210> 9014
<211> 209
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055b12b1

<400> 9014

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aagcttcctg attacaatgc tagaaaggtg ggggtgcaat acttccatga ccatgcaact 120

actgctgccg ctgttggcat gaagccctct cctgtggtcg atttttcttg ggtagtgggc 180

cctaaaggac ttgccttcgg tggggaagc 209

<210> 9015
<211> 105
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055c04b1

<400> 9015

tcgttcacgc gtccgctttc ctggaggcat gggttgctgg ggtaaaatac cctccgtcga 60

tggacccttc gtttgagctg ccggagtccg aggtgaggga gaggt 105

<210> 9016
<211> 266
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055c05b1

<400> 9016

ttctccacgc gtccgggcca tggtggtgcg gcctgctcag gaccgagggt ggtgtgttct 60

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catgcccatg ctctgttgag gcgagcctca ggctcttggt ctcgtcttgg ttcatctttg 180

cttaatgacg acgcaatgac gcctccccga cttgctaatc gtcttgaact tccgtggcgg 240

agcgctcagt caaggactgt tggcat 266

<210> 9017
<211> 442
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055c07b1

<400> 9017

tcggctaaat ccggggctgg ttcccgggcc gttgctccgg cgatcaggag cgcttccttc 60

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gtgtctgcca cggccgtgca caaggtgaag ctcataggcc cggacggaga agagcacgag 180

tttgaggccc ctgaagacac ctacattctc gaggcagctg aaactgccgg agtggagctg 240

ccattctctt gccgcgccgg atcgtgctcc acatgcgcgg gcaagatgac gaccggggag 300

gtcgatcagt cggagggctc cttcctcgat gagagccaga tgggtgcagg gataccttct 360

gacctgcatt tcatacccca aggcggattg cgtcattcaa acccaccaag aggaggaact 420

ctactaattg gctcacatgt gc 442

<210> 9018
<211> 267
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055c08b1

<400> 9018

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tggtggatct gtcaggccta ccgcgggagc cagtgctggt ggctaccaag ctgatgatcg 180

tccgggcatg gctgctgggg gtatgaatgg caggaatgtt gcttttggct ggtggaatgc 240

ctgagcctcc ccttccccca gatgcct 267

<210> 9019
<211> 386
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055c09b1

<400> 9019

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tctcgccaac gcgatggcga cgccggcccg ccggccgtcg gcgcagcagc agcagccgct 120

gacggtggac ttcgaggcgc tgagctacat cagcaggctc gtggaggcgt tccaggcgtt 180

cgactccgac aacgacggcc tggtcacggc ccccgagctc cggggcctcc tggcctccct 240

gggcctggac aagtcggagg cggaggcgcg ggacatgctg gcccgccccg acgccgaccg 300

tgacggccgg cttggttggt aggagttctt ggacgtgatg aacgcaggcg agctcggctt 360

ggggcgcgct cggcgcgctc ctgcag 386

<210> 9020
<211> 244
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055c10b1

<400> 9020

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ggggggcgac ggtggggacc tggagtcggt cggcggcggc gtgcggtaga tgacacgtcc 180

tacaacgacg gcctggtcac ggcccccgag ctccggggcc tcctggacta gctgggcctg 240

gaca 244

<210> 9021
<211> 320
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055c11b1

<400> 9021

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ggttacctcg aaggcaaacg accaggacgg cgactttgcg gagctatacg tgttcaagtg 120

gaccaggctc ctcatccctc cgaccaccgt actggtgatt aacctggtgg gcatggtggc 180

aggcatatca tatgccatca acagcggtta ccaatcctgg ggtccactct tcggaaagct 240

cttgttctca atctgggtga tcctccatct ttactccttc ctcaagggtc tcatggggaa 300

gcagaaccgc acgccaacca 320

<210> 9022
<211> 79
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055c12b1

<400> 9022

gcccgacgac tcagctgaga gacggacggg ccctctaggg ggcggccatc aacgatggtg 60

gtggacgcag aggaaatgg 79

<210> 9023
<211> 429
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055d02b1

<400> 9023

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ataagaatta gcacaaatgc ctagagggat caacatagac tctcccaagc tcacaggcag 120

agctcaggac catgcatgca ttctgcaaat ctttatcccc ccaacgatgc tatgtgcttg 180

atgtcttgta caaggtgggt tatgtgctgc tgtgttgttt ctgtccagtg tgaaaaagtg 240

gaatgccata aataaaatag aagaatggaa gttgatcccc aggaaataaa agaataggaa 300

aacatgcaag ttggtagtat tattgtattt ccaaggctgt agctgtactg atttctgaat 360

gttaaattac tctatcagtc ttcgttacca tctatctatt atatacctat gacagaagac 420

atgatgacg 429

<210> 9024
<211> 281
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055d03b1

<400> 9024

gtcggcgtct tcgcctccgt ctccgccgat ggctccgtcc gcgtctttga tctccgggac 60

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gcctggaacc gctatgacct gcgatacatg gccgccctgc tcatggacag caacgccgtc 180

gttgtgctcg acatacgcgc acccggggtg cctgtggccg agctacatcg gatgggggat 240

gcgtcaacgc tgttgcgtgg gcaccgcagg ctgcaagaca c 281

<210> 9025

<211> 374
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055d04b1

<400> 9025

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ctcgcttccc tcgggggcgc agcggcggcc ggcgccggcg aggggttctg ctcggcggaa 180

ccgtcaaacg attgttctca gtcgccgccg ctctactcga aggtcaccag tcccactctc 240

gcacccgtgc atttgcaaga tttacctggc ttcacacgta gtgtgtacaa aaaggatcat 300

gctttaataa caccagaaag ccatgtattc agtcctttgc ctgattggac caacacgtta 360

ggagcatatt tgat 374

<210> 9026
<211> 228
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055d05b1

<400> 9026

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gcttgccaag gtctgccttc agggtttgag catcactgat gcttctcttg ctgtgattgg 120

gtactatgga aaggcgatca caaacctcac cctcactcgc ctgtccgcgg ttggcgagag 180

gggtttttgg gtgatggcac atgcccttgg cctgcataag ctcatatg 228

<210> 9027
<211> 372
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189055d06b1

<400> 9027

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ccccaatccc gtcaccaccg ccgctggtgc tcggcgcgat ggcgcagaag gacgccgcca 120

atggcaacgg cgccaccacg cgcccgtcgc ccactccctc ccccatccgc ttctccaagt 180

tcttccaggc caacatgcgg atcctggtca ccggcggagc tggcttcatc ggctcgcacc 240

tcgtcgacaa gctcatggag aacgagaaga acgaggtcat tgttgctgac aacttttca 300

ctgggtcaaa agacaacctg aagaagtggg atcggacacc ntagatttga actcatccgc 360

aacgatgtca cc 372

<210> 9028
<211> 348
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055d07b1

<400> 9028

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ttagttactg atagagcaag gttatcagct tttaaccaag tctcctcatt gggactgatt 120

gcacttggta taatgggtct tgctgaggct tgtggtgtag ctgttcaatc aatattaact 180

gttggtggtg tgggcaggtg ttgctacggc ttttgctgct tgagatgtct cgggcatcgt 240

gttgaatggg ttctccttac aattttctag gccattctga gctggagaat acataaaggc 300

tgggtcaata gaaggcatgg cactcgatat aggacttact tcaacttt 348

<210> 9029
<211> 160
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055d08b1

<400> 9029

gtccgccgcg aggccgcctc cggcctcgac atccgcttcc accgcctccc cgccgtcgac 60

cccccggccg acgccgtcgg ggtcgaggac ttcatcgcgc gctacatcca gctccacgcg 120

ccccacgtcc gggacgccgt cgccgggatg ccctgccctg 160

<210> 9030
<211> 300
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055d09b1

<400> 9030

tgttcgggag ggagagttct ctgaggcccg tgaggatctt gctgccctgg agaaggacta 60

cgaagaagtt ggtgctgagt tcgacgaggg tgaggacggt gacgagggcg atgagtacta 120

gagcctgcct cctggtgctt tcccaaggca tgctgctgca atcctatgat ctgcccgagt 180

ggctttatct gttatctgtc tgtttgaaca tttgctttgt ggtgtattgt tttacaacct 240

gttgtgttgt aagaaccttg tatgtttgaa cctgttatgc accttggtta atatgcatag 300

<210> 9031
<211> 325
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055d10b1

<400> 9031

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acttgcactt gtttgacttt tcaaaaaaca aatacacctt atataaagga acggagggag 120

tattatttat caatgaacga atctatctag ctgtgccgtc agacatttta tccgcggatg 180

atcgacgcaa atcggcagca aggacagttt ttgttttctg gcctatgaaa gctatgtctc 240

taaaggaagg atcactaaag tggtttttttc attaacccac acataggtgc actacttgaa 300

agtcatgcac cctgagataa acatg 325

<210> 9032
<211> 353
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055d11b1

<400> 9032

tcgtcgccca cgcgtccgct ctcccctgct ccctcccctg ctcccccact ggttttgtgt 60

cctgagccat ggctgccaag ctgactcgcc tccacagcct cagggagcgc ctgggtgcca 120

ccttctcctc ccaccccaat gagctcattg cactcttctc caggtatgtt caccagggca 180

aaggcatgct ccagcgccac cagctgcttg ctgagtttga cgaactgttc gaatccgaca 240

aggagaagta tgcgcccttt gaagacatcc tccgagctgc tcaggaagca attgtgctgc 300

ccccatgggt tgcacttgcc atcaggccca ggcctggtgt ctgggactac att 353

<210> 9033
<211> 212
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055e01b1

<400> 9033

tcgttcaaag ctacttcatg taagcctcct cctctccacc tacaaagcag gagctcagtc 60

tcaggtgctg ggatagctct gctagttcgt cgactttgga aatggccacc aactcgaggt 120

cgaactccag ggccaccttc tccagcgaga tccacgacat cggcacggtg cagaactcca 180

ccacgcccag catggtgtac tacaccgagc gg 212

<210> 9034
<211> 105
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055e02b1

<400> 9034

ttcacgcgtc cgccctcccc acctactccc tcgccgcgcc gccgcgcagc cgcgagtgca 60

gcgaacatcg gcgccagtgc cacgcttatg gccgccacct cccat 105

<210> 9035
<211> 245
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055e03b1

<400> 9035

ttccctgctg ctcctaaagt tcccaagtca agcgcagcac aggaacctac cgtcatacca 60

gcagtcaaca accttgccaa cccaaatgct ttcgtctacc cgcctgctga ctttgcatca 120

aagcagccac ttgttcagcc tgacaacgtg ccatatgttc ccgcaattaa ctctgctgcc 180

cctgttgaag ctcctgttat gaatatgtac tctgaccagg gaagcaactc ctttggctgc 240

tctga 245

<210> 9036
<211> 385
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055e05b1

<400> 9036

tcgctttgcc ctcctccaac cgccacctcc ctcccccgac ctcgtcgcgc gatctccgac 60

cgcccgccga gccccagcgg gaggagcttc gagcccgcgc ccccggcgtc ccatggtggg 120

tacggcacat cggggccgcg agatctaggg ttttcgcgcc gcggcgggag cgatggggcg 180

ccggaaggcc acggcggggc cggctcgggg ctcctcgagg gccgaccacg gtgtaatctt 240

cgaaatccgg gggaaacata gattggaatt ggagaatttg acactaacaa agcacccatt 300

caggacattg cacttctgta atttagctat gttgcaatac ttgaaaagat cagcagcata 360

tatcctgagt aaaagagctt tgttt 385

<210> 9037
<211> 400
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189055e06b1

<400> 9037

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gaagagaaga ggagatcacc gagcccagcg cgcgcacagg acagcaggcg ccgcgatctc 120

gcgcaggagc ggagatgggg ctcacgttca cgaagctgtt cagccggctc ttcgccaaga 180

aggagatgag gatcctctac aagctcaagc tncgagagat cgtcaccacc atccccacaa 240

tcgggtttaa tgtcgaaact gtagagtaca agaacattag tttcaccgtt tgggatgtcg 300

ggggtcagga caagatcagg cccctgtgga ggcactactt ccagaacacc cagggtctca 360

tttttgtcgt ggacagcaat gacagagagc gtgttgttga 400

<210> 9038

<211> 266
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055e07b1

<400> 9038

tcgctcaagg agatcatcaa gtacaagggc ttccaggtgg cgccggcgga gctcgaggcc 60

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gctggcgaag tcccggtcgc cttcgttatg cggatcgaag gctccgaaat caccgaggat 180

gacatcaaga aattcgtcgc aaaggaggtt gttctctaca agaggatcca caaggtcttc 240

ttcactgact ccattcccaa gaaccc 266

<210> 9039
<211> 454
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055e08b1

<400> 9039

tttcccacgc gtccgttccg atcaaacgcg gcggcagcag cagcagcggc agcgcaagta 60

gagcaattgg aattttcgcc gacacatctc ttcaattgat cgtaatcaga ggtagattgg 120

agtatcacca ccaccactca agaaatggcg gccgagactt tcctcttcac ctctgagtct 180

gtgaacgagg gccaccctga caagctctgc gaccaggtct ctgacgctgt gcttgacgcg 240

tgcctcgccc aagacgctga cagcaaggtt gcctgtgaga catgcaccaa gaccaacatg 300

gtcatggttt ttggctgaga tcaccaccaa ggccactgtt gactatgaga agattgtgcg 360

tgacacctgc cgcaacattg gcttcatctc tgatgatgtt ggccttgatg ctgaccggtg 420

caaggtgctt gtcaacatag agcagcagtc tcct 454

<210> 9040
<211> 351
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055e10b1

<400> 9040

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ctgccgtgca gccgcccgcg cctcgctatc cccttcgcgc agccgccgct ccgcgccgcc 120

gccttcgccg gcgcctcgtc gccgctgctc cgcccggtcg gcgccagatt ctcgctgttc 180

agcagcatgg ccgccgccgc ctcctccgcc tcctccgtcc acgacttcac cgtcaaggat 240

gcaagtggaa aagatgtcga cctgagcacc tacaagggga aggctctcct cattgtcaat 300

gttgcatccc agtgtggctt gaccaattcc aactacacgg agctcgctca g 351

<210> 9041
<211> 390
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055e11b1

<400> 9041

tcgctagaag ctttggctgc tgagctctat gcattgtccc ggtatatgtc ttctggaaga 60

ctgccgggaa atccagagtg taatgggctt attgaagaca aagagactga aaataataaa 120

gagagctcaa aaactgacga gtctgagctc agattggcac agcttcaaca tcagctacct 180

gctaatgaac ctggtgcgtt aatgcatctt gtagaagaat caactgctga tgatacagaa 240

gaggaaagcg ttaaagagtg caggacttta ttcaaagatc tgaagttcta cttaagtcgt 300

gaggttccca gggagtctct cttgtttata attccggcat ttggaggaac tgtttcgtgg 360

gaaggagaag gagctccatt tgatgaaaca 390

<210> 9042
<211> 137
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055e12b1

<400> 9042

tcgcccacgc gtccgaacac ccctgagatg ccacccgtgt ccacccagat aatcgcgaga 60

gatatttcgt cccggacgcg tccggcccga cgaccgaccg acgaacagcg tatatgtagg 120

agggagagga tgagcac 137

<210> 9043

<211> 198
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055f01b1

<400> 9043

tcgtagcctt taagttgaac tgggcatcct atagcatggg tgaaaagcga tcagaagttg 60

tctctgacca ctcaattttt gttggtgatt tagctgctga tgttactgat gaaatgttga 120

tggagctttt tgcttgcaag tatcgctccc tgaaaggagc taaagttatc attgatgcaa 180

acacaggccg ttctaggg 198

<210> 9044
<211> 202
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055f02b1

<400> 9044

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gtttcgccgc catgggatcc gacgcctacg gcggctacga cgcagtgccg ccaccgtctt 120

ctgcagcgca accacacggg gccgcgccgt cgtatggggt tgggctcgcc ggcatcctcc 180

ctcagaagcc ggatggggat ga 202

<210> 9045
<211> 201
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055f03b1

<400> 9045

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ccatggcaac tgctggaaat aaatgggcga ttgttatgtc ccgcaatgca gggttttcgg 180

aacaggtatc atcatttgca c 201

<210> 9046

<211> 365
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055f04b1

<400> 9046

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gggcctgcgc gaagagaaga gtgcagagga gcgcacagat taagcaacag caatggtgag 120

ggctccttgc tgcgagaagt tggggctcaa gagaggcccg tggacggcga aggaggacat 180

gaccctggtg gctcacatcg agaagcacgg gcacagcaac tggcgggcgc tgccgaagca 240

ggccggcctg ctgcgctgcg gcaagagctg ccgcctccga tggatcaact acctgcgccc 300

cgacatcaag cgcggcaact tcaccagcga ggaggaagaa gccatcatcc aactccacgc 360

catgc 365

<210> 9047
<211> 129
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055f05b1

<400> 9047

gcgtccgcac ctttgttcgc ccttctcctc tccctcgtga caccactccc agagaaagag 60

agagacagat ggcgatgcgg gcggtggcgg tgctgctgct tctggcggtg ggcagcgtgc 120

tggcggggg 129

<210> 9048
<211> 392
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055f06b1

<400> 9048

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gcctctgcga cctcccgccg ccagccgcag gcagatgctg ccgaccggca ggggcaggcc 120

tcagcccagg cctgcgccca gatcttggtc cttctcagac atggacttct ctgatccgaa 180

gcgcaactcc agatacctca gcaagatcat catggtcgcg ctcctcacgg ccatgtgcgt 240

cgtcatgctc acccagccgc cctgccacag gaaggctccc agtgtgttct ccatccatga 300

actcggagta acacatgtgt ctggtgacgg gtggcgctgg ctacatagga tcgcatgcgg 360

ctcttcgact gctcaaggac tccttcagag tc 392

<210> 9049
<211> 399
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055f07b1

<400> 9049

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atcctgaacc tggtgtacat ctgcgagtgc aacggcctgc cggaggtggc caactactgg 120

aagcaggtga tcaagatcaa cgactaccag aagagccggt tcgtgaaccg cgtggtgtcg 180

tccatgttca acacggtgtc cggcaagaag atcgccgtgc tcgggttcgc cttcaagaag 240

gacacgggcg acacccggga gacgccggcg atcgacgtgt gcaagggcct ggtgggcgac 300

aaggcccagg tgagcatcta cgacccgcag gtgacggagg atcagatcca gcgggacctg 360

gccatgaaca agttcgactg ggaccacccg ttgcacctg 399

<210> 9050
<211> 241
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055f08b1

<400> 9050

cgcccgctga ggtttccgcc gcgatctcgt ctcgatccgc actctctatc tgagatttgg 60

aatcgggtga agcctgcagc tcctgccgac atggcgctcg ttttgcattc aggcagcggc 120

aacaagaatg ccttcaaggc acttattgct gcagagtact gtggggtcaa ggttgagctc 180

cccaagaact tcgagatggg tgtatcaaac aaaaccccctg aattcatcaa gatgaacccc 240

c 241

<210> 9051

<211> 414
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189055f09b1

<400> 9051

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cgggcgctgc tctacatcat tgcgcagtgc ctcggcgcca tctgcggcgt cgggcttgtc 120

aagggcttcc agagctccta ctacgtgcgg aacggcggtg gcgccaacga gctcagcgca 180

ggctactcca agggcaccgg gctcgcggcc gagatcatcg gcaccttcgt gctcgtctac 240

accgtcttct ccgacaccga ccccaagcgc aacgcccgtg actcccacat cccggtgctg 300

gctcctctcc caatcggatt cgccgtgttc atggtccacc tggccaccat ccccatcacc 360

ggcaccggca tcaacccagc gagaagcttg ngagctgctg tcatctacaa cact 414

<210> 9052
<211> 291
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055f10b1

<400> 9052

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catagacagc ttgtttgtac ttggcaatgg agtggagatg tttggttcag ctttttatgc 120

ttgaatttgg gtacacttgt ttttaagatc aatagcccct agatcatagt actagactac 180

taatgcttgt gcaagttttc cttaattaat tgtgagacgt gctccttcag attgaagatg 240

gtcatgacca atttgagtcg tgcaaaacca ttcaacattg ttggttgaat t 291

<210> 9053
<211> 130
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055f11b1

<400> 9053

aacaaagtgc gcgtgagaaa tcaacaagcg gtgcttgccg agaagagaga gagagatggc 60

ggcgtcggcg gcgacggcaa cggcggcggc ggcggcgacg gcaacggcgg cggcggtggg 120

ggcgggggag 130

<210> 9054
<211> 234
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055g01b1

<400> 9054

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acgtcgtgta ctactccatg tatggtcatg ttgctaagct agctgatgag atcaagaaag 180

gtgcttcctc tgtcgaaggc gtggaggtta aagtgtggca ggtccctgag atcc 234

<210> 9055
<211> 113
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055g02b1

<400> 9055

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cggcacctcc tcctgcccgc gctcctcctc gccgtctccg cgctgtgggg agc 113

<210> 9056
<211> 213
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055g04b1

<400> 9056

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ttccggcgac gccatgcgcg ccgatgagga gcgcgatgcc gtgtgcgtgc cgtacccggc 120

gcaggggcac gccacccccga tgatgaagct ggccaaggtc ctccactcca ggggcttcca 180

cgtcaccttc gtctacaccg agcacaacca ccg 213

<210> 9057
<211> 254
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055g06b1

<400> 9057

gcgtccgctt tcctctcgcc agtcgcaacc tggtggtgcc gccgctgaca tcgtctgcct 60

ccgcccccgc accacgatgg accccacctc acgccccgcc gtcgtcattg acaacggcac 120

cggctacacc aagatgggat tcgccgggaa cgtggagccc tgcttcatca cccccaccgc 180

cgtcgccgtc aacgagtcct tctccgacca gacgagggcc accgccaaag ggaactggct 240

ggcgcagcac agcg 254

<210> 9058
<211> 172
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055g07b1

<400> 9058

ctcgcggacg cgtggggttg ccaaattctg tgcaaaatat ctacacaggg aagttctcaa 60

aagtgaagtt tatttagctg gtgacctggg agctgctgcc catggagctt tcttcagaat 120

ggatgagatg atgcggggtc aaagaggctg gcgagaacta caggcactcg ga 172

<210> 9059
<211> 212
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055g08b1

<400> 9059

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cacaagggcg attagctgtg ttgtagcatt gggacatttg tattctctca cggcagtgtg 180

catcttcgtt gattgcatgg atctttgtgg at 212

<210> 9060
<211> 132
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055g09b1

<400> 9060

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gaaccgactt cgcagccagt gaagaggccg taagcgtgag aggacactga gcagagctga 120

tggtgatgat gc 132

<210> 9061
<211> 158
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055g11b1

<400> 9061

cccgctctcc tccaccccta ccatgggcgg ccccagctcc tgggccttcc cgttccacga 60

aaagagagct tagcgctgcc gagccctccg tcctctccac ttcccggctg ctttctccgt 120

ccgtccggtc gtcaatcttc gtcgagcaga gagaggga 158

<210> 9062
<211> 203
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055g12b1

<400> 9062

ttgttctttt ctgccccgga cagcagcact gcctaggtgt cgtgcaaacc aaaccaaacc 60

aaaatctgct gaggtgtcct ctactcgagc aagtgtgcca atcctaggct cgctcgcctg 120

atcaatcctt cgcgtcgcca gcttcatctc gaggcgagga ggcggacgat ttgaacccat 180

ggatatggcg cacgagaggg act 203

<210> 9063
<211> 367

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055h02b1

<400> 9063

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agcagctgat ggacgcgcgc agacatggcg acggagaccg agaccttcgc cttccaggcc 120

gagatcaacc agctcctctc gctcatcatc aacaccttct actccaacaa ggagatcttc 180

ctccgcgagc tcatctccaa ctcctccgat gccttggaca agatcaggtt cgagagcctc 240

acggacaaga gcaagctcga tgcgcagccc gagctcttca tccacatcat ccccgacaag 300

gcgaccagca cgctcacgat cgtcgacagc ggcattggca tgaccaagtc ggacctcgtc 360

aacaacc 367

<210> 9064
<211> 287
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055h03b1

<400> 9064

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gaggcaggag gttggtcttt cttaacctca ttgaccaact gcacccaact ggtggaatta 120

ttcttggatg caaacatcct tcagggagat ttgcctagtt ccattgcagg cctttcaaag 180

agcttagagg tattgttatt aacagcaaat aaaatatcag gcactatacc acaggagata 240

gagcagctca caaacatcaa acgtctttac atggaaaaaa atctgct 287

<210> 9065
<211> 158
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055h05b1

<400> 9065

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cagcagtcgc cggcagcgat ggacgcgatg cggaagcagc tggacgtgct gatgggggcc 120

aaccgcaacg gcgacgtgcg ggaggtcaac cgcaagta 158

<210> 9066
<211> 98
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055h10b1

<400> 9066

gtcttaagac ttacgatcct ggatatctca acactgacgc tgtgcgttct tacatctgct 60

acattgatgg ggatgaggga attcttcgct acaggggt 98

<210> 9067
<211> 484
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057a01b1

<400> 9067

ttgttcacgc gtccgcccac gcgtccggga attcggcatt gctggattaa agagggccct 60

tgaagcattg aacacacacc tggcatcaaa cacattcctt gttgggcatt ctgtcactct 120

ggctgatatt gtcatgacat gcaacctcta ccatggtttt gctcggatct tgaccaagac 180

tttcacatct gagttccctc atgttgagag gtacttctgg accatggtta accagcctaa 240

cttcaagaag gtcattggcg aattcaagca ggcagaggtt gtacctcctg ttcagaagaa 300

ggctgctcct gctaaacaaa aggaggccaa gaaagaggct cccaaggcgg ccccaaagcc 360

agcagtagtt gaggcaccag aggaagaggc accaaagcct aagcccaaaa atcccccttga 420

tctactgcca ccaagcaaga tggtacttga tgactggaag aggctatact caaacactaa 480

gagc 484

<210> 9068
<211> 397
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057a02b1

<400> 9068

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ctgttcagtg ccacgccccg gccttcagat tccaaggcgg acgtcgatgt cgaagacgac 120

ggggagtccc cggcgccccc accggacctc cggtgcccca tctccctcga tctaatgcgc 180

gacccagtcg tcgccgctag cggtcagacc tacgaccgcg agtcgatcga ccggtggttc 240

agctccggca agtcaacgtg ccccaagacg gggcaagtct tggccaatct ggagctggtg 300

cccaacaagt ctctcaagaa cctcatctcc aagtggtgcc gggagaacgg cgtggccatg 360

gaagtctgcg aggccagcaa gagcgagcag gcccagg 397

<210> 9069
<211> 111
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057a05b1

<400> 9069

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tagtcatggc cgtggtggct gacgtctcgg cacagaacac cccgcaggac t 111

<210> 9070
<211> 228
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057a06b1

<400> 9070

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cccggcggct gccccacccg ttgcggctgc tgtccctggc ctcccggccc tgcctaccat 180

gccgaccctg ccaccgatgc cggctgtgcc aacggttccg gccgtgac 228

<210> 9071
<211> 356
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057a07b1

<400> 9071

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agctttcatc gcccttcctg gagtatatta cggcccccgg cggcctcgac aaggtcgtgc 120

tccgtggcag gcgcagctgc tccgtggaga tccgtctttt tggaggtcaa gtaacttcat 180

ggaagaatga ccatggcgag gagttgcttt ttgtcagcag caaggccatc aagcctccaa 240

aacctgttcg tggcgggata cctatttgct ttccccagtt tggaactcag ggaaatcttg 300

agcaacatgg atttgcaaga aatcggcttt gggctattga tgataatcca cccccct 356

<210> 9072
<211> 471
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057a09b1

<400> 9072

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ctagcttagc ttccttcttc tcgatctagc tagagccatg gcgccgacca agggcgaggg 120

gccggccatc ggcatcgacc tcggcaccac ctactcgtgc gtcggcgtgt ggcagcacga 180

ccgcgtcgag atcatcgcca acgaccaggg caaccgcacc acgccctcgt acgtcgcctt 240

caccgactcg gagcgtctca tcggcgatgc cgccaagaac caggtcgcca tgaaccccat 300

caacaccgtc ttcgatgcga agcgtcttat cggcagaagg tttgctgatg cccctgtcca 360

gagtgacatt aagatgtggc cgtacaaggt tattcctggc cctgcagaca agcctatgat 420

tgtagtgcag tacaagggtg aggacaagca gttttcagct gaagaaattt c 471

<210> 9073
<211> 143
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057a10b1

<400> 9073

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ggggtgcgcg ggcctggcgg tga 143

<210> 9074
<211> 382
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057a11b1

<400> 9074

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cccggcctca cgcgacaacg cgctcgcctc catccacaag ccgccggcgt ctcatggtga 120

ttcgtccact cgtcagccat caataagaag agataatcca gagaatttaa ccaaagtgtt 180

ggctgaggca gtgaagtgtg cacaagctct taagactgat gatctgatta ctgacactag 240

agttaaggaa gcttttgcag agctgatgaa caaagtgtac ccgcatctac ctgagagtct 300

acaggatcaa ctgattgctg atttcaaact caatatcctc cgtcgggcac aagagaaaaa 360

tactccccca gttgagttga tg 382

<210> 9075
<211> 495
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057b01b1

<400> 9075

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agggatggac caagaagttt actccccaga gcaggggaag atctgagatt gtttttgttt 180

caccaactgg agaggaaatt aagaacaaga ggcagctgaa cagctatctg aaggcaaacc 240

ctggaggccc cacttcatcg gagtttgact ggtcaactgg tgatacccca aggcgttctg 300

ctcggattag cgagaaagtg aaggtatttg atagccctca gggtgaaaag ataccaaagc 360

gcagtaggaa ctcaagtggc aggaagggga agcaagagaa aaaggaggat cctgaaactg 420

aagaagacaa agaagctgaa gcgggcaagg aggcccctag tgaagatgct gcaaagagca 480

ctgatgtgga gatga 495

<210> 9076
<211> 435
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057b02b1

<400> 9076

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ttggtggagg ctgtggtttt tggctgcatt ccagtcatca tagctgacga catcgtgctg 120

cctttcgcgg atgcaatccc ttgggacgaa attggtgttt ttgttgatga ggaggatgtg 180

ccaaagcttg attcaattct gacatcgatt ccgattgatg atatcctaag gaagcaaaga 240

ttgctcgcca acccatcaat gaagaaggcc atgctgttcc cgcagccagc gcaacctaga 300

gatgcattcc atcagattct aaatggcctt gctcgcaaac tcccgcaccc agagaccata 360

tacttacaac caggtgagaa gcatctcaac tggacagctg ggcctgttgg agacttgaag 420

ccttggtaac ataaa 435

<210> 9077
<211> 139
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057b03b1

<400> 9077

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ccggcgtgcg agcggtagcc atggtgattg cttcagtcgc gacctactcc tcgtccctag 120

cgccaccgcc ggcgaggag 139

<210> 9078
<211> 354
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057b04b1

<400> 9078

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tgctgctgct caccgcggtg acaatggccg gactggccgc cggagcgcgc gcgggcggca 120

tcgcgatcta ctggggccag aacggcaacg agggcacgct ggcgcaggcg tgcgcgacgg 180

gaaactacaa gttcgtcaac gtggccttcc tcttcacctt cggcaagggc cagaagccgc 240

tgctgaacct ggccgggcac tgcgacccgg cgaccagcgg ctcgtgcacc ttcgtgggcg 300

ccgacgtcaa gtcctgccag agccgcggca tcaaggtcct gctctccatc ggcg 354

<210> 9079
<211> 407
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057b06b1

<400> 9079

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acacaaggga gatgctacta aggaagcaga acatggagaa gttttcctga tgtttacaca 180

agggagatgc tactaaggaa gcagaacacg gagaagtttt cctgatgttt acacaaggga 240

gatgatacta aagaagtaga acacgaagaa gtttcaatga attagagagt tatagatgcc 300

agctggtcct ctacatacct gataaaaata agaaaaatat atgtcaatgt aatctgcatc 360

cattgcagct aatagctctc agttttgcca atggcaatgg gctgctg 407

<210> 9080
<211> 304
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057b07b1

<400> 9080

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atcagttaaa tcaaagtcat ggagcacaag gagaccggct gccagtctcg tgagggcccc 180

atcctttgcg tcaataactg cggcttcttc ggcagtgcgg cgaccatgaa catgtgctcc 240

aagtgccaca tggagatggc gatgaagcag gagcaggcca agctggccgt ctgctctttt 300

gaca 304

<210> 9081
<211> 417
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057b09b1

<400> 9081

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gactacgggc aacctgtgat gattttatag agggaaaagt tggtaccctg gatgggttat 120

atggcaccgg agctaagtta ccctcagagg agtttatcag cagtaagttg acaccaaagc 180

ttgctcggca aattcaggat gttcttgcac tctgcagtgg tagtttacct tcttggtgtt 240

atcagatgac caaagcttgt ccatttctgt ttccttttga aacaagaaga caacacttct 300

actccacagc ttttgggtta tctagggcat tgaatcgtct tcagcaacaa cagggtgata 360

ataatagctc agcgactgaa agagaagtcc ggattggtag attgcaacgc cagaaag 417

<210> 9082
<211> 432
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057b10b1

<400> 9082

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tcacccatta ctccaagtga aacacaaagt ccagctcatg gaaatcggca acaaccatat 120

atggaatctc cagttgcctt gagaccacat tttccagctg ataggaaatg ggctcttggg 180

cttcagtctc gagcacatcc aagagaagtt atgactgaag tgctgaaggc tctgcaagaa 240

ctgaatgtat actggaaaaa aattggacac tataacatga aatgtagatg gagtccttct 300

ggctttcccg gtcaggagaa tatgaatcat accaattata acttcagtgc agagcctatt 360

gaaaccgacg acctgggtga catgttaaat ttaattaagt tcgaacttca gctttacaaa 420

acaagagatg ag 432

<210> 9083
<211> 228
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057b11b1

<400> 9083

tgggccctgt tccagtcgca ggcgccctgc ctttgcgccg ccgtgtccgc cgtgcccgcc 60

cagctcgggt ccgtggtcgg tggccggctc cccaccgcgt gcaacctgcc ccccaacgcc 120

tgctctgccg tgacagggac ctcgggctct gctccggccg gtggcgcagc ggcgccgtcg 180

tcgtcgggga cgcctactga tgctgctgcg gctgcgccgg cgaccggt 228

<210> 9084
<211> 327
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057b12b1

<400> 9084

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aacgcctgct ctgccgtgac agggacctcg ggctctgctc cggccggtgg cgcagcggcg 180

ccgtcgtcgt cggggacgcc tactgatgct gctgcggctg cgccggcgac cggtcccgct 240

gatgcgaacc cggctggcac gccttccggt ggtggggtga agtcggttcc ggggacggtt 300

gattcggccg ccgagtgcaa ggggacc 327

<210> 9085
<211> 456
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057c01b1

<400> 9085

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aaagaaatat cgtgttaatg caatcagatc gaacttggac tcggaggtca atgagggcaa 180

gggtcctgtc tctagtgtcc tctctaatat ttcctcgatt gcttcttcgc tctattctat 240

ccctatgttg gcacctgttg ctggcccgac agcctggatg accaacttag cttctggcgt 300

tgcgtccgcc tttggttggt gcaagccagt gttggactcc caagttatcc gtgtctatca 360

acagcctcat gcttataatg ctaacataaa cgaatctgac gttactaata gtcttggctt 420

gtttgtgaca ataaggtttg cgttatgcct gatgtt 456

<210> 9086
<211> 395
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057c02b1

<400> 9086

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tccgccacgc ccagcatggt gtactacacc gagcggtcca tcgccgacta cttccctccc 180

cacctcctca agaaggtggt gtcggaggtg gtgtccacgt tcctgctggt gttcgtgacg 240

tgcggggcgg cggcgatcag cgcccacgac gtcacgcgca tatcgcagct cggccagtcg 300

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cacatgaacc ccgccgtcac cctcgccttc gccat 395

<210> 9087
<211> 396
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057c03b1

<400> 9087

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gtttttcacg atgcagcagt ttctgaaaaa gtaacactgg gttcatttgc tggagactac 120

gaccaagatg atgacaatgc ggcagcttta ggtgaatacc ttaagcgacc agtgcgcttg 180

gcgagttatg cgtgggctca aggaggaggt tttgcacaga gcatcacccc ttgggcggca 240

tatttctccg acaccttcat tcgaaggaag ttggagaact acggcaaaat tcggtgtaag 300

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tatttcccta tgggggatgc gcgctcgacg ttcgtg 396

<210> 9088
<211> 395
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057c04b1

<400> 9088

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gggcaggggc aggtgcaaga tttcgacttc ttcgtggtgg tcgacttcga ggcgacgtgc 180

gtgaaagacg ggaggatctt cccgcaggaa atcatcaagt tccccgccgt gctcgtcgac 240

ggcgccaccg gccgcatcga gtcggcgttt cgcaggtacg ttcgtccaaa acatcaccct 300

gtgctgactc aattttgcag ggaactcacc ggcatttcgg caggaggacg tcgacagcgg 360

cgtggatctc ggcgaggcgc tttggctgca cgagg 395

<210> 9089
<211> 411
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057c05b1

<400> 9089

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tttgctgtcg cccgagcctc tcccaccagc gcgccgccgc cgctgcccga ggcccctccg 120

accagcgcgc cgtcgccgcc cggggctcct tcccaccagt gcgtcaccgc cgcccctaag 180

cccctccgac caacgcgccg ccaccgtcct gatcccccta cgaccaacgc gccaccgctg 240

ccccgatccc cctccgacca gcacgccgcc gccggcgcca agcccctcac accagcgcgt 300

cgccgccgcc ccgatccccc tcccaccagt gcaccacggc cgccccaaac ccccttccat 360

gaccatatca cccgcaccat cggccgcgcc tccctcctgc atgccacctg c 411

<210> 9090
<211> 399
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057c06b1

<400> 9090

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acgtggccga cgtgaccacc gagctggcgg ggtacgacgt ggtgttcctc gcggcgctgg 120

tgggcatggc ggccgaggag aaggcgcgcc tggtggagca cctcgggagg cacatggccc 180

ccggcgcggc gctcgtggtg cggagcgcgc acggcgcgcg cgggttcctg tacccggtgg 240

tggaccccga ggagatccgg cgaggcggat tcgaggtgct caccgtgcac cacccggagg 300

acgaggtgat caacttcgtc atcatcgcgc gcaaggcggc ggcgccacca gccgttgccg 360

tcgacggcga cgtgccggtg aacaacggca gcatgcccg 399

<210> 9091
<211> 375
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057c07b1

<400> 9091

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tcggcgatgg gcggcgcggc ggcggcgacg ggcgccgcca ggtggatcca gcggctgagc 180

gcggccagga tctcgacgga ggcgctggag cggggccaga gccgcgtcat cgacgcctcc 240

ctcaccctca tccgcgagcg cgccaagctc aagggcgagc tgctgcgtgc tatgggcggt 300

gtcaaagctt ctgcaacact cttaggagta ccccttgggc acaactcgtc tttcttgcag 360

gggcctgcgt ttgct 375

<210> 9092
<211> 370
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057c10b1

<400> 9092

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cgaggacgtc ggtgaaccgg tgctccagct gccggaagcg ggtggggctg acggggttcc 180

ggtgccggtg cggcgacatg ttctgcggtg agcatcggta ctcggaccgg cacgggtgca 240

gctacgacta caaggccgcc gcccgggacg ccatcgccag ggacaacccc gtggtgcgcg 300

ccgccaagat cgtcaggttc agaagaggaa aggaaaaaga atccagaacc cctgccgagg 360

catagcaaag 370

<210> 9093
<211> 354
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057c11b1

<400> 9093

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atagctcacg tacccgtgta agaaactaag aactaatgca ggtacgatgg taagtagtag 120

gaaggttgca aagatgaaga gtattagaag attggaattt ggaagatgga gctcatactg 180

attgaagcca cgcagctggc tcctccttgt cgttgatccg attacacaca taaacgtttg 240

cagaactaat gctaggagca ctaagtttga caaggtgtaa agctatacac cccatttgag 300

atttacagat tgtatcctga ggttctgtct acaaatacgt actgatattt tttt 354

<210> 9094
<211> 355
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057c12b1

<400> 9094

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catagctcac gtacccgtgt aagaaactaa gaactaatgc aggtacgatg gtaagtagta 120

ggaaggttgc aaagatgaag agtattagaa gattggaatt tggaagatgg agctcatact 180

gattgaagcc acgcagttgg ctcctccttg tcgttgatcc gattacacac ataaacgttt 240

gcagaactaa tgctaggagc actaagtttg acaaggtgta aagctataca ccccatttga 300

gatttacaga ttgttttctg aggttctgtc ttcaaatacg ttctgatatt ttttt 355

<210> 9095
<211> 467
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057d01b1

<400> 9095

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atgcatatgg caagggtttg ccctatgctc ctgaaaattg gccgtctcct ggagatcagt 120

ggcaatggaa agtggggaac agaattgctg caggtgggca ttgggtggac agatatcttg 180

ccccaccctc gcgttttcgt gatgctactg gtaaaaagac gacattcaca agtagactga 240

aagttggaga gtttatcaag agcaactttc cagatgttga tcctagcaca tttttctcta 300

tgttcatatg gaagatccct gctgcagaag gcgggattca aagaggaact cttcaagtgg 360

aacgtgttga acctgaagat ggcctggcgg atcctgatgg accatgcaag gctcggaata 420

aggcatgcaa tcttgggaaa gaagggttta ttgaatcatc accagca 467

<210> 9096
<211> 486
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057d02b1

<400> 9096

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gagcggtgac gacgacagac atgaggtgga acattccaaa gctcagggga ataagataga 120

cggcaagcta aaatcttcga aacctgctga ccaacctcag ccagatattt cccctcctac 180

aattgatgtc ccagaactgt catttgagga cttgaaagaa aagactgaca attttggatc 240

gagttccctg attggtgaag gttcatacgg acgagtatat catgctacca tggatgatgg 300

caggcaagcg gctattaaga aatttgatgc atctgaaaat gagcccaatg atgaattctt 360

gaaacaggtc tcacttgtat caaggctaaa acatgaaaat cttgtggaga tgctgggcta 420

ctatgtggag ggcaactatc gtatactggc atatgaattt gcaacaatgg gttctcttca 480

cgatgt 486

<210> 9097
<211> 150
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057d03b1

<400> 9097

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tgggggaagg ggaggcggtt cggaggtgga 150

<210> 9098
<211> 396
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057d04b1

<400> 9098

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cctaggctcg tcgaatcctc ctcccccacc gcctcaagat gcagatcttt gtgaagacat 120

tgacaggcaa gaccatcacc cttgaggtcg agtcgtctga cacaatcgac aacgtcaagg 180

ccaagatcca ggacaaggag ggcatccctc cggaccagca gcgtctcatc ttcgctggca 240

agcagcttga ggatggcagg acccttgctg actacaacat ccagaaggag tccacccttc 300

accttgtcct ccgccttcgc ggaggcatgc agatcttcgt caagacgttg actggcaaga 360

ccatcaccct tgaggtggag tcgtctgaca ccatcg 396

<210> 9099
<211> 412
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057d06b1

<400> 9099

ttgttttcag aagtggcgtt aactagctat cttgcatctc tgactataga agagagtggt 60

atttcagaag gattagctgc aattaaagca gagcgagcag tagagagcat atctcagaga 120

agtgcccaac ttcatggggg cacagaagat gaactctcac tgaaagactc tctggcggcc 180

gtgagaaatg cagctcaagc agcggctcgg attcagaatg ccttccgtgc cttttctttc 240

aggaggagac aacacaagga cgctcgactt aaggatgaat atgggatgac acaagaagat 300

atagatgaac ttgcagctgc atcaaggtta tactaccaac atcatgtttc gaaacggcag 360

ttttgtgata aagcagctgt ttcaattcag aagaaataca gaggttggaa ag 412

<210> 9100
<211> 373
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057d08b1

<400> 9100

tgtcgcccac caatcaatgg attttaggta tacggaggat aggagaggag agatccattt 60

ggattcagat ttcagagcgg cagcttcctc ccttcccctt cctactctct cctactcctt 120

ccccttccta ctccactgac gcggccttct tcttgtcttc ctctcccctt ccccctcccg 180

ccgccgccgc cttcctccgc cggggctggt tcagctacta accgcggccg gggggaggag 240

aaaggccgcc tcttgtccgg ccacctttcg gctggttcag cccacgcggg agccggattg 300

agagatggag tcggccgccg gcggcgggct gggcagcatg cgagccgtgc ttgccatcct 360

ccagtggtgg ggc 373

<210> 9101
<211> 182
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057d09b1

<400> 9101

gtcgtggtcg agcaaggtct gatcagtgat cctgttttct tattctggtt gaaccgacat 60

gctgatgatg aaggagaggg tggtgaaatt atttttggag gaatggatcc taaacactac 120

gtgggtgaac acacatatgt cccggacacc cagaagggat atttggcagt tttgacatgg 180

gt 182

<210> 9102
<211> 489
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057d10b1

<400> 9102

tttttgccca cgcgtccgcc acgcgtccgg gccatttgcc tatacaagta tctgtccact 60

caatcatcag gcgctcaatc atcacccaaa cgattaactt attcatacaa tcacccgcga 120

ccaataatcc actgatcagt ttgccgcgtg tccacttgag ttatctccac aattgcccac 180

aggaccatcg gcccattcac tttgaccgtc attatcgcct aaacttttc cggtgctgaa 240

cagcaaggtc ctccatgaat ccattcgcag caaatactgc caaaacattt ttcgacctca 300

tcaagtcaga gagggatcta tattcgcttg aacctgatcg tgagccatcc caatctcagc 360

ttcgtttgtt tgaacgaata tgtgtgctat tgaatgggga acatacatca aaatcgcgca 420

gcactagaac acggcacgaa aaggaacaat caagaatcca gagaatgtac gaaaagcttc 480

catccgatc 489

<210> 9103
<211> 297
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057d11b1

<400> 9103

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cggccggcgg gggcaggaag ctggacgcgg ggcagacgtg gagcatagac gtgccggcgg 120

gcacgacgag cgggcgggtg tgggcgcgca cggggtgcag cttcgacggc gccggcaacg 180

ggcggtgcca gacgggggac tgcggcggga agctgcagtg cacgcagtac gggcaggcgc 240

ccaacacgct ggcggagttc gggctgaaca agtacatggg ccaggacttc tttgaca 297

<210> 9104
<211> 423
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057d12b1

<400> 9104

tcgccacgcg tccgccacgc gtccgccacg cgtccgccca cgcgtccgcc cacgcgtccg 60

cctccctctt ctccgtccgt caatcccccc ctatctcctc cccgcaccag ctcttgtact 120

actcggagca cctccacccc tgaccccgac tccgaccacc catccatccg cttcttgctt 180

cttccgctgt ccgggccaag aatctgagat cctgtccggc gccgccgctt gtttcttgat 240

ggccgcatag atggcaggat caacttcatt ttgagcttgt cccacaaggt tgcaatcacc 300

agtatgtcag ctaaggcttc agaacgtaca tatagatgct cagatgattc acaaatggcg 360

tactacaaca actcggtgcc tttagcagaa aatggacggt tctatatgat gcaaaatcat 420

ctg 423

<210> 9105
<211> 416
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057e02b1

<400> 9105

gggcagcgcc cgcctccccc cctagcgtcc ggcgccgacc tcctggacct ctcctccgcc 60

atgatggacc tggatccccg cctctacgag gacgcatctg tcagcgataa cgatgttcgc 120

aacatagtgc tatcttatct tatgcacaat tgttttaagg agaccgcaga gaccttccta 180

tccagcactg ggctaaagtg acctgttgat tatactgtag atgtggataa acgtaaagcg 240

atcttaaatt ttgtggtgga aggggatgcc gtgaaggcca tagaactgac agaagagttg 300

gcgcccaact tgctagagaa tgacatggat tcacattatg atcttataag tcttcacttc 360

attgagctaa ttcgagacag aaaatgcaca gaagcacttg agtttggcca gaaaaa 416

<210> 9106
<211> 330
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057e03b1

<400> 9106

tttttcacgc gtccgggcgc ctcgtcacca acttcctcta cttccgcaag atggatttgg 60

atttcctgtt ccacatgttt tttcttgcgc gctactgcaa acttctcgag gagaactcat 120

tcaggggaag aacagctgac tttttctaca tgctcttgtt tggtgctact gtcctgacta 180

gcatcgttct gattggtggg acaatacctt acatttctga gacattcgcc aggattcttt 240

tcctcaacaa ttcattgacg tttatgatgg tttatgtctg gagcaagcac aatcccttca 300

ttcacatgag cttcttgggt ctgttcacct 330

<210> 9107
<211> 201
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057e04b1

<400> 9107

ttgtttcacg cgtccgccca cgcgtccgcc cacgcgtccg gtgaacttca cggcattggt 60

tgttgtgcta tttggtgcct cagttgttgt agctgctgtt gccccagctc gccttgaaga 120

gccacaggat tatgctccaa tcccagaaaa ctagtacagt atgtgtgaag tgtactacgt 180

aaacagaaat tcactaagtt t 201

<210> 9108
<211> 422
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057e05b1

<400> 9108

ttgctcacgc gtccgatttt ctgcaatact aagagaaagg tggattggct tactgaaagg 60

atgcgcacca acaactttac cgtatcagct atgcatggtg acatgcctca aaaggaaagg 120

gatgcgatta tgagtgagtt caggagtggc acgaccggtg ttctgatcac aacagatgtt 180

tgggctcgag ggctggatgt tcagcaggtc tctcttgtca ttaattatga tctcccaaat 240

aatcgtgagc tttacatcca tcgcatcggt cgctctgggc ggtttgggcg caagggtgtg 300

gcgatcaact ttgtgcgcaa ggatgacatc cgtatcctga gggacattga gcagtactac 360

agcacgcaga ttgacgagat gccgatgaac gtggccgatc tgatctgagc actggaccgg 420

ag 422

<210> 9109
<211> 336
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057e06b1

<400> 9109

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ccctccctcc ctcctgtctc ctcctccgca agcaaccctc ttgcgtcgtt cctgctgatt 120

ggctccggcg ggagggagga gggggcgcag tgagatgggg aacatctgcg gcggcgcggg 180

gaaggccgat gtggcggcgg actaccggcc gtccagccca ggaacatcca actacaagac 240

gagcggcagc gtcaccacca gcaacagcac cacggggaag ctctcctcgg ggggcagcag 300

caccttcatg gcctccgcgg gcagcggtgg caccag 336

<210> 9110
<211> 394
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057e07b1

<400> 9110

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cagctctcga acttcaagga tgactccagt ccaattgcct gggactgttc tgcgtgggtt 120

cgcacatatg gtcagttttt ggaggaaaga ttggaatgct tcaggatcct gaaatatgat 180

gttgaggctg aacgtttatc caaacaaggc caaggtcctg aaaagggaca cagtagaacc 240

agagacctag attcccagga tctgttagag cagttgccag ctttgcagca gttactgtat 300

cggcttgttg gatgtcggcc agaaggagct gcaaataaca actacttggt gcaatatgct 360

ctagctttgg tgctaaaaga gagtttcaaa attt 394

<210> 9111
<211> 346
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057e08b1

<400> 9111

tttctccgac gacgacgagc acacccgcag gcgcagatct gagattgagt gagtgtgtga 60

gagagaaatc ggtggagatg gccgggaggc tgactgcgat gggatcccgc atcatgggcg 120

gccacggcgc agccgcacgc gccgcggcct ccgccctccg caaccgcgcc ggcatgggcc 180

tccccgccgg caggcacatc gtccccgaca agcccctgcc tgtgaacgac gagctggtgt 240

gggacaatgg cacacccttc cctgagccct gcgtcgaccg cctggcgccg cacatcggca 300

agtacgaggc tctggcgtgg ctgtgtggag gtctgagctt cttcgc 346

<210> 9112
<211> 371
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057e10b1

<400> 9112

tgtgtttggg ttttttgacg ccctcgccgg cccgccgcca cctcctccct tttcacaagc 60

gctgcccctc cactaccacc gtagcaccag gatgacggcg cagactgccg aggagctcgc 120

cgcgcatatc gagcaggagc agctcgaggc gaagaaaact gaggcagaag aggacgtggt 180

tgaggatgat gatgatgatg acgacgacga tgaggatgat gatgacaacg atgatttgga 240

tgggcaagaa ggtgatgcca gtggcacatc aaagcaaagc aggagtgaga agaagagtcg 300

caaggcaatg ctgaagcttg gcatgaaatc catcactggc gtaagccgtg tcactgtgaa 360

gaaaagcaag a 371

<210> 9113
<211> 362
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057e11b1

<400> 9113

tgtttttcga ccagacaacg catacgacta cctcacttac tcgaccggcc aaagcaagca 60

ggtcaccatg ggcggcgggc acgacatgca cggcggccac agcggcggag tgaagggctt 120

cgtgtccagc ctcgtcggcg gcggcaaaag ccacgggtac ggcggccagg ggcacggttg 180

cgaccagggc tacggcggcc acgggcagca gcagcacggg tacggcggcc acgtgcagca 240

gcacgggtac ggcagccatg ggcagcagca ggggtacggc ggccacggcc agcacgggta 300

ccctccgccc gccgccggtg cttgcccccc gtacggcggc tacccggcgc aaggctacgc 360

gc 362

<210> 9114
<211> 416
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057e12b1

<400> 9114

tgctttcgca ccgtctcgcc gccgccacca ccgccgcagc ttgataagaa gaaaaaaaga 60

gagagaagaa ctcgtcggga gggctcgaga tctgtgtcgg gagagaggga attcttgaga 120

tcggaatcgg aacaagcggg cgcgctcggg atcggggtta ccatacaatt tttcccagga 180

acctttagtg aatgtgctaa tggagtcaaa gggtggcaaa aagtctagca gtagtagttc 240

cctgatgtac gaagcacccc tcggctacag cattgaagac gttcgacctg ctggaggcgc 300

caagaagttc tctgctgcat actcgaactg cgcgaagaag ccatcctgat atcgtttttg 360

gcatcccctt ctcgtagttt aggattttta tgcaatttta ttctgactct tttctc 416

<210> 9115
<211> 159
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057f01b1

<400> 9115

tggtacaccg cgatagaagg cgcacacaca caatggcagg cacaaaatta ctagctcttg 60

gttttgttgt cctgttgagc attggattgg ccaatgctgc aagggtggct aggtactcca 120

gtgcctctgg agtaggaacg ggaggaggag agggtgggg 159

<210> 9116
<211> 353
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057f02b1

<400> 9116

ttgttttttt tgagatcatg atgtctgtct acttatcggt aatgcccaga tcgacaggag 60

aatgcttatg aaatcatgaa gtgcaagtcg aagcaattaa cataacggga gatacatgga 120

cagatcacgc cccgtcaaaa ataaaatgaa atacatggac agatcacgct agcatatcag 180

ccagttgatc cacagatgaa cagcgtgccg atcatctgca tacaagcagc tctactagta 240

ctaggcaaag ctgatgttgt aggccttggc accgacggac ctgaagatgc cgaaatggcg 300

ctcgaacttg gcgccgggct tgccgtactg gtcgtagagg tcgaacagga aca 353

<210> 9117
<211> 368
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189057f03b1

<400> 9117

ttgctatttt ctccacagnc gaagcaacag aacatcacaa gattcagaaa agcacctcca 60

tctcccagtc ccagcctctc tggtgaagag ggtcgccgcc atggggtcgg gatcttgctg 120

ctgcatcggg tgcggcagca acgacgacga cggcggcgac gggggcggca tggggctgga 180

ccccaagggg ttcctgcttg ccatgatgat cgccctggtg ctcgtcatgc tctgccacat 240

gcccaagccc cgccgcaaca actacgtcgt ctaccgctgc tagccatcca cccagatgaa 300

ccagcaccgg ccgtggacgg acggatggtg gctcgcccgc cggcggccgg ccgatggccg 360

aggtttga 368

<210> 9118
<211> 72
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057f04b1

<400> 9118

gcctgcatga tctgcccgac ccgactccgg gaacctggag tgcacgcgag gggagcagta 60

tgtggggttg gg 72

<210> 9119
<211> 372
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057f05b1

<400> 9119

ttgttcacgc gtccgcccac gcgtccgaga tacatcatca acacacaaag acctcatcac 60

atctttccag ttcaccggcc gttatggaga tgaagcccgc cgcgcagccg gtcaccggcg 120

tccccgtcgg cgcggcgccg gccgcctggt cctccggcct cttcgactgc ttcgacgact 180

gcggcctctg ctgcgtgacc tactggtgcc cgtgcatcac cttcggcaag gtggcggaga 240

tcgtggacag ggctccacgt cgtgcggcac cagcggcgtg ctgtacgcgc tcctgtgctc 300

gctcacgggc tgccagtgga tctactcgtg cacctaccgc tccaagatgc gcgcccagta 360

cgcgctcccg ga 372

<210> 9120
<211> 401
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057f06b1

<400> 9120

ttgtgatagc tggagcccaa aaccgagcaa aatcgatttc aagcggacca aaatccggca 60

ccgcatgggt ttccccaggc actgatccgg cgggtggacg ctaatgcggc gccgctgaag 120

ggatctgctg cgcccgcggg gttcacatgg cggcacagaa cggcagcggc ggcgcggcgg 180

tggtcctcaa cgtgtacgac ctgacgccca taaacgacta cctctactgg ttcggcctcg 240

gcatcttcca ctccgggatc gaagttcatg gtctggaata tgcttttgga gcccatgatc 300

tctcaaccag tggggttttt gaggttgaac caaaacgttg ccctggctat gtctatagaa 360

ggtctgtatg gatgggtaca actgagatgt ctagggcaga g 401

<210> 9121
<211> 360
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057f07b1

<400> 9121

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gtcgcgcgct tctgggccgc ctacgtcgaa gacaagctgc tggcgccgtg ggggaaggtg 180

ttcagggtga cgaccgacga ggagagggcg gagtggacga ggcagacggt ggcggccgtg 240

ggtcatctgg aggaaggcct gagggagtgc tccaagggga agggcttctt cggcggcgac 300

tgtgtcgggt acgtcgacgt cctgctcggt agcatggtgc cgtgggtgcg cgccaccgag 360

<210> 9122
<211> 305
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057f08b1

<400> 9122

tgttctcgca cgcaccgtca caagcagctc aatctctttc tccttttctt ttctctgccc 60

cctcccttat ccccacgccc aggaaacgcg tctccggagg aggaagggaa gatttcatct 120

tttttgcccc caagatgtcc tccccaagca agcgccgcga gatggacctc atgaagctga 180

tgatgagcga ctataaggtg gagatggtga acgatgggat gcaagaattc ttcgtggaat 240

tccgagggcc tactgaaagt atttatcaag gtggtgtctg gaaggttaga gtagaactgc 300

ctgat 305

<210> 9123
<211> 413
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057f09b1

<400> 9123

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cgcttcgccg cctcctacga cctcttcctc gccgaccgcg ccctgctccc catgctgccc 120

cgcctcctcg gcaaatcctt ctactccacc aagaaggccc ccatcgccgt cgacttcacc 180

cgggctggct ggccggagca ggtccgcaag gtcctcagct ccactttcct gtacctgcgg 240

accgggacct gctcggggat caaggtgggc aggctggaca tggaggagga ggagatcgtt 300

gacaatgtga tggcggcagt ggaggctgcc gtggagaagg tgcccaagaa gtgggaaaac 360

gtgagggctc tgcatttgaa ggctgtggat tcggttgcac tgccaattta cca 413

<210> 9124
<211> 379
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057f11b1

<400> 9124

gcgatccttc catcctcggc ttgcacatcg catcacgtta ccggagccag ctacgggcgc 60

gtgggacagc atggaggggg gcggcgaggg gaagggccgg gcggcgccgg cggcgggggg 120

agggttcggc gggtacgagt cggccgggga ccgcaagtgg tggccctggc tcgtgcccac 180

cgtcatcgtc gcctgcgtcg ccgtctttgt agtagagatg tgggtgaacg actgccccag 240

gcacggaagt gcgctcggcg gcggctgcgt cgcgggcttt ctccgccgct tttccttcca 300

gccgctccgc gagaacccgc ttctcgggcc ctccttcacc acttttggga aaatgggagc 360

ttttgactgg aacaaagtt 379

<210> 9125
<211> 387
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057f12b1

<400> 9125

cgcgtgggca gcaagcaaac aagattgagc attcacggat ggtggccgag gccgtggcgc 60

aggcgtcgtc ggtgttcgcc gccttcgaca aggacggcga cggcaaggtg tcggcggccg 120

agctgcgcgg ctccatgacg gcggcgctgg gcgaggaggt gtccgaggag gaggcggcgg 180

cgatcctggc cacggtggac gccgacggcg acgggctgct ggaccaggag gagttctccc 240

ggatcggcct cgccgccgcc ggagacgacg gtggggcggc cggaggcgac gacgaggagg 300

tgaggcggcg gtgcctaagg gaggcgttcg cgatgtacgc gacgggggggc ggcgaggagc 360

atggcgccag gatcacgccg gcgagcc 387

<210> 9126
<211> 249
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057g01b1

<400> 9126

ttgctacgcg tccgtgagct cgccacactc cccccagctt atcggagcta cctcactcaa 60

gagaggaagg atggatccct gcaagttccg gccgtcgagc agcttcgaca ccaagacgac 120

gacgaccaac gccggccagc cggtgtggaa cgacaacgag gcgctcaccg tcggcccgcg 180

cggcccgatc ttgctggagg actaccacct gctggagaag aacgcccact tcgcgcgcga 240

gcgcatccc 249

<210> 9127
<211> 271
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057g02b1

<400> 9127

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cctcccaggt tcttggtgca gcttttgcca gtctcagcag gagatttcat gtctgatctt 180

gacgttcaga tcccaactgc ctttgacccc tttgccgagg cgaatgctgg ggacgctggt 240

gcagctgccg gatcaaaaga ctacgttcat g 271

<210> 9128
<211> 400
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057g04b1

<400> 9128

tggtcgccgc ctcctccttc cgcaggagct ccctcctcgt atgcgcgatg gtgtacatca 60

agaaccagaa gacaagggcg tactccaagc gtttccaagt caagttcaag agaaggcgcc 120

aggggaagac cgactacagg gccaggctga ggctcacaaa ccaggacaag aacaaataca 180

ataccccaa gtaccgtttt gttgtgcgat ttaccaacaa ggatgtcact gcacaaattg 240

tgtatgctac cattgctggt gatattgtga tggccgctgc ctactcccat gagttgcctt 300

gctatggtct tgaagttggc ctcaccaact atgcttgagc ctactgcact ggtctgcttt 360

tggctcgtcg tgtgctcaag aaccgtgatc ttgatgagga 400

<210> 9129
<211> 432
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057g06b1

<400> 9129

tgttaaattc agacttggga tgagggtctc gtcaggattt tgtgaaggaa ttcgtatcaa 60

agaggcgaag acagaggctt ttactgtgaa agatcacaga ggagaattat acaagaaaca 120

ttaccctcct gcacttaagg atgatgtttg gagattggaa aagattggaa aggacggtgc 180

attccacggg aaactaaact caaacggaat ctatacagtt gaacattttc ttcaacttct 240

tgttaaagat caacagaagt taagaagtat ccttggcact ggtatgtcaa ataagatgtg 300

ggaaagtctt gttgaacatg cgaaaacttg cgttctgagt ggcaagcatt atatatatta 360

ctccaaggat acagcaagtg ttggtgcaat attcaataac atattatgag ttcactggtt 420

tgattgctga tg 432

<210> 9130
<211> 257
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057g07b1

<400> 9130

tgctggccaa gacttgtaga tgttgtcaaa ggctctactt tagagaaggt tgtcagagtt 60

gttgtcatgt ccttccgcaa tttgttggca aagggtgcat ttgcggccca aatgattgat 120

cttgggttgc cgcatatagt acagaatttg aaagctcaag catggagtga tgaggatttg 180

ttagatgcat cgaatcaact ggaagtgggt ctcaaagaga acctaaagag gttgaccctc 240

atttgataag tacaaac 257

<210> 9131
<211> 322
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057g08b1

<400> 9131

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cagcatgact agcggctggc ctgagcctga gtcggagcag cggcaccaac gggaactcta 120

tcaactatcc tgtttccctt ctattatctt acatgctgtc tcttaggcgg aggatttgtt 180

attatggtta tgttttgagc cttgtgaggg ttgggagagg cggcgtttgc ttttgcccag 240

aaataatggc attattattg gtttaagtga ggaggtgtgc ttttccagat acagttttgt 300

ctcgtttgtt ctaccatgcc tg 322

<210> 9132
<211> 414
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057g09b1

<400> 9132

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acctcatctt ctccctggcg agcatgtact cagcgatgct cctgactggc tggtcgacct 120

cggttggcga gagcggtaag cttgtcgatg tcgggtggcc gtctgtctgg gtcaggatcg 180

cgacccagtg ggcaacggca ggtctgttca tctggtccct cgttgctccc ctcctgttcc 240

cagacaggga gttctagatc gacctggtta cctgctaaga gtgcatcatc cgtttggagc 300

acctacttat cgtatcgaac gtgtttcggc tgtgatgata gctaagctga ctatctgtat 360

ctggtctgta atattgtgtg agcaaaccca tggcaaggag ctggtgtttg tgtg 414

<210> 9133
<211> 278
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057g10b1

<400> 9133

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caacggcgac ctgcacgaga ggctccaccg gagcggccag aagcgggcgg cgctgccgtg 120

ggcgcggcgg atggccgccg cgttccaggt ggcgatggcg ctggagtacc tccacgagag 180

ccaggacccc gcggtcatcc acggcgacgt caaggcgtcc aacgtcctgc tcgacgccaa 240

catggacgtc aagctctgcg acttcggctt cgcgcacg 278

<210> 9134
<211> 436
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057g11b1

<400> 9134

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agtcaatggt tgctggattt tatcatgtgg gctatgaaga tccattgctt atgcttatga 120

gaaggagaac tgttcatgct ggattagttg tgaagggtga ggaaggtgca ctttctttga 180

caaccaaaga aagatcggcc catgcttcca aagggattcc agtgaaccac tgctcagggt 240

tccggacacc aagcagggca aacttctgcg aaactgacgg tatttctaga gagagcttca 300

gagttgctgt gaatgctcag gaacttggtt tcaaatccac tgaaactcca agaactgata 360

aatcagtact gaaaaacttg gagctgggtt tgtcagcgct gggtggagac aaagggcctg 420

cttatgaccg aatagt 436

<210> 9135
<211> 300
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057h01b1

<400> 9135

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gggccaggtc cagctgcggc gtgatcccag cagggcgaac ggtggcggcc agccgcagtc 120

gcgttcgttc acctatcaga gctccacggt gactttatgg tgggattaat ggagcctatt 180

ataccgcttc caagacccgg aggagtggca gcgatgggat tactgtcgaa gaaagcaagg 240

aagcagacac tacgactaaa gaggccactc ataggatctc caggggaatt catgataagg 300

<210> 9136
<211> 408
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057h04b1

<400> 9136

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acattgtcgg atacccgcgc atgggcccca agagggagct caagtttgcc ctggagtctt 120

tctgggatgg caagagcagc gccgaggatt tggagaaggt tgccaccgac ctcagggcca 180

gcatctggaa gcagatggct gatgctggga tcaagtacat ccccagcaac accttctcct 240

actatgatca ggttcttgac accaccgcca tgctcggtgc cgtcccagac cgttactcat 300

ggaccggtgg ggagatcaat ttgagcacct acttctcgat ggctaggggc aacgccaccg 360

tccctgctat ggagatgacc aagtggttcg acaccaacta ccacttta 408

<210> 9137
<211> 365
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057h05b1

<400> 9137

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gccccccaat ccccaaatcc tgcggcgcgg ggcctcaaat tcggcgccgc gcagcagcct 120

cggtccggct tatggatcca gatgttctcg tgggcccgta gcaagcagtc ctcgcccgcc 180

tcctcctccg gccgccgcgg cggggacgcc gccgccgcca tggactccgg aagcagccgc 240

cgcagcggcg gggggagcgg gcacggcagc ggcagcggga gcgggagccg cggacgcagc 300

ccgcggctgg agcggcgcaa cgcggcgaag cacatcgact acgaggcggg cgcggcggcg 360

acgac 365

<210> 9138
<211> 54
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057h06b1

<400> 9138

tgtttgggtc ggcctcgtca aggccttcca gagcgcctac ttcgtcaggt acgg 54

<210> 9139
<211> 236
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057h07b1

<400> 9139

tttttgacca catcctcccc ccaatctcgc tccctccctc cctaccacgc tggtccctgc 60

gaggcggcgc ggcgagcgcg agcagtcggg tccggtcaaa gccaggcggc gatggcgtcg 120

tcggcgccgg gcggcggcag cgggaagatc gagcggctgt cgtcgatcga cgcgcagctg 180

cgcctgctcg tcccggccaa ggtgtccgag gacgacaagc tcattgagta cgacgc 236

<210> 9140
<211> 273
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057h08b1

<400> 9140

cccacgcgtc cgcccacgcg tccgtttcaa ctgttctatg tgatgggaga tagtatctta 60

acaaggtctg atctggaagc tgtattggcg ttcattcatg aaaccatatt tgcagataat 120

aaggaagcca aggaaggttc aaacaagagt acatttgaag catttcacaa ctctgcggta 180

ttttcaaagg atgctgaagg ggtctctgag aagtctatgt cattatcaga ctttagaaac 240

tggtgtattg tcatgccatc actgaggaaa ttc 273

<210> 9141
<211> 245
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057h09b1

<400> 9141

tgttgcccac gcgtccgccc acgcgtccgg ggacgctttg tttgcaaaga aatgtgatgg 60

attgccactt gcacttggag ttttgggagg ttatctgtct aaaaatctaa atgcacaaat 120

atggtccgat atactctttg attggccagc aaccaaggat ggacaaatga tgagtgtcat 180

actggcacgc agctacaagg acctaccgaa tcatcatttg agatcttgtt tactttattt 240

tgctg 245

<210> 9142
<211> 367
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057h11b1

<400> 9142

tcccacgcgt ccgaattaaa attgatcact gatctgatag gatcaccaga tgattctagc 60

ctaggatttc ttcggagtga taatgcacga agatacatga agcaattacc acagtaccca 120

aggcaggact tccgactgcg cttgcgcaac atgtctgatg gtgcagttga tctattagag 180

agaatgctgg tgtttgaccc aagcagacgc atcactgctg atgaggctct gcatcaccca 240

tacttggctt ctcttcatga catcaacgaa gaacccactt gtccggcacc tttcagcttt 300

gattttgagc aaccatcttt tacagaagaa catatgaaag agctcatctg gagggaaact 360

ttagcat 367

<210> 9143
<211> 325
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057h12b1

<400> 9143

tcccacgcgt ccgaattaaa attgatcact gagttgatag gatcaccaga tgattcgagc 60

ctaggattta ttcggagtga taatgcacga agatacatga agcaattacc acagtaccca 120

aggcaggact tccgcctgcg cttccgcaac atgtctgatg gtgcagctga tctattagag 180

agaatgctgg tgtttgaccc aagcagacgc atcactgttg atgaggctct gcatcaccca 240

tacttggctt gtgttcatga catcaacgaa gaacccactt gcccggtacc tttcagcttt 300

gattttgagc aaccatcttt tacag 325

<210> 9144
<211> 350
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189059a03b1

<400> 9144

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atgctgctgc tcaccgcggt gacaatggcc ggactggccg ccggagcgcg cgcgggcggc 120

atcgcgatct actggggcca gaacggcaac gagggcacgc tggcgcaggc gtgcgcgacg 180

ggaaactaca agttcgtcaa cgtggccttc ctcttcacct tcggcaaggg ccagaagccg 240

ctgctgaacc tggccgggca ctgcgacccg gcgaccagcg gctcgtgcac cttcgtgggc 300

gccgacgtca agtcctgcca gagccgcggc atcaaggtcc tgctctccat 350

<210> 9145
<211> 405
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059a07b1

<400> 9145

ttcgctcgag aagatcggat tcgatttgga tttctagggt ttgttcatcc tcatccccat 60

cccctcctcc gtcgccgtcc gtcgtcttcc ccacctccga tcaaatttgt gatttttcat 120

cgatttccat aagatatgat ccccaactcc ttcgacacct tcctctgatc tgtcccccca 180

ggaaatccca catccagatt ccacatacta tggtgcgccg ccgcccgtct tcctcctcct 240

cctcctcgtc gccgatgctc cacaagaacc tccgcgcgct cggccccggc ctcaatccgt 300

ttgccccctt cggcatgggc aactactccc gctaatcccc cctcccctcc cctctccttt 360

gctctgattt gcttttctcc ccggatccga tttggttctc ccccc 405

<210> 9146
<211> 391
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059a09b1

<400> 9146

tccaacaact ggctatcttg gagctgggta tcaagaatct atggaatcgt cattctcacc 60

cattactcca agtgaaacac aaagtccagc tcatggaaat cggcaacaac catatatgga 120

atctccagtt gccttgagac cacattttcc agctgatagg aaatgggctc ttgggcttca 180

gtctcgagca catccaagag aagttatgac tgaagtgctg aaggctctgc aagaactgaa 240

tgtatactgg aaaaaaattg gacactataa catgaaatgt agatggagtc ctcctggctt 300

tcccggtcag gagaatatga atcataccaa ttataacttc agtgcagagc ctattgaaac 360

cgacgacctg ggtgacaagt taaatttaat t 391

<210> 9147
<211> 257
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059a10b1

<400> 9147

ttcgctcgcc cacgcgtgcg gtaggactag gttcagtttg ccaccctctt ccactccggg 60

cattttcttg catccacgac ggcaatggcc accgctgatg tccagaaccc gacggccgtg 120

ctgacggagg aggcgcccgc ggtggagacg cccgtcgccg cacgtggagg ccacgaagac 180

ggtggaggtc cccgcgccgg cggaggccga ggtcgaggcg cttgtccccg tcgaggttga 240

ggagaccaag gaggagg 257

<210> 9148
<211> 229
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059a11b1

<400> 9148

ttcgttgtag acgcgtgggc ggacgcgtgg gggcgactgc ttcacctcca acacggcggc 60

gttccgcaag gcggtggagc acctgtcgca gtactctggc gagggcggcg gcggcggcat 120

gctctacgtg cccgccggcc ggtggctcac cgtgccattc aacctcacca gccacttcac 180

gctttttcta cacgccgacg ccgtcatcct cggcacgcag gacgtgacc 229

<210> 9149
<211> 336
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059b02b1

<400> 9149

tcgggtctcc cctcaccagc aacccaccgc accaaacacc ggctcctccc cgccgctctc 60

ccgccatgaa gcagctccac aagtccccca cccacgcgcc gtcgccggcg cacgcgccgg 120

cgtgcaagat ctccaagccc gcgcgccccg ggccgcgcac ctgggtcggc tacctcctcc 180

gcgagcagcg cctcctcttc gtcctcctcg gtgcgctcat cgccacctcc ttatttctcc 240

tgcggcccta cctcttctcc ctgtcagcct ccaaccccac cgagcgaagc cccatcttct 300

ccttcaccgg ccactcgtcg gactcccgcg gcgtcc 336

<210> 9150
<211> 387
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059b03b1

<400> 9150

cgttctcctg atccgccgtc ccgccgggta tctaccactg aactgtgaga taaagtgctt 60

tcagttgatg caagagggtg tgcacacatc ttcatctatg gcctactatt gattgctctg 120

cagtgatcag tttgaagtct tctttcttcc tcttgctacg agttttcttg cttctctggt 180

gggctacagg agaggtggaa gcagataaag gcagacaggc agctcagcca ttctatgtcc 240

agggacttgg attgtcctgt tcagacacag atggctgttg cagtcctgga tcggagtttc 300

agcagtgact atcctgcaag tagcaaaact gaggggagac ctttgagctg gaagagagtt 360

tttgttcaaa ctgataatgg ttctgtc 387

<210> 9151
<211> 261
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059b04b1

<400> 9151

ctcgcctacg cgtccggtgt ggtgaaggta cactgatgtg cttgaggagt tgaagaagaa 60

cccatagagc catggaggac ctcctgattg catagcttcg tgagctaatc cttagagaat 120

tggggcttca tgacatcttc aagaaggcta aggacgagga gaacgctcag gctctgtcac 180

tgtttgaggg agttgttcag cggaatgatg aaatagaaga tggtgagaaa cgagcagaga 240

acttgatccg tggaatctta g 261

<210> 9152
<211> 324
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059b06b1

<400> 9152

tcgatgacac gagccgatcc atccatcctg aaaaaaaaag agtgccggtc gaaaatgccg 60

gtgagcagga tcgccatcgg cgccccgggg gagctgtccc acccggacac cttccgcgcc 120

ggcgtcgccg agttcatctc catgctcatc ttcgtcttcg ccggctcagg ctccggcatg 180

gccttcggca agctgactga cggcggcgcg acgactccgg ccgggctgat cgcggcggcg 240

ctggcgcacg cgttcgcgct cttcgtggcc gtctccgtgg gcgccaacat ctcgggcggg 300

cacgtgaacc cggccgtcac attc 324

<210> 9153
<211> 394
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059b09b1

<400> 9153

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agaaagagtg aaagcacaat ggtgaagctc gcattcggga gctgtggtga ctccttcagc 120

gccacgtcca tcagggcgta tgtggcggag ttcatcgcca ccctcctctt tgtgttcgcc 180

ggcgttgggt ccgccattgc ctatgggaaa atcaccgatg atggcgctct cgacccagtt 240

ggccttgtgg cgatcgcgat cgcccacgcc ttcgccctct tcgtcggtgt cgcgatcgcc 300

gccaacatct tcggcggcca ccttaacccc gctgtgacct tcggccttgc cgtcggcggc 360

cacatcacca tcctcaccgg gatcttctac tggg 394

<210> 9154
<211> 302
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059b10b1

<400> 9154

ttcgtttcta atttgacata cactatggat gatcgcacta agttatcaga gcgcttccat 60

actgtatcgg atagcgttgg aatgaagtca gaagttaagg tcgtgccggt tcgcgagcaa 120

gctactttct tgagaaaacg attcgttcca ggtgctttcg gaactttacc cgtacccagc 180

tttggccgtg tgttgtcaaa actgcctgtg agggcgaatt ttaacgcctc tgtcactgac 240

gatgattata tggcgggcaa gctactgtct gccgcctatg agcatcggca cattgctagt 300

tt 302

<210> 9155
<211> 327
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059b11b1

<400> 9155

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cggccggcaa tccatggcgc tgcgcaacct ggccaagaag ttgcggatcc ccacctctgc 120

tgctgcccgg ctcccgtccg cccccaaccc tgctgatttc cggttcccat cggaccctgg 180

cgcttggcgg gcgtccgttt ctcggctcga gagcgctaga gactggtatg agtttcagcg 240

agcacgttat gatgatgtga caacagagtt aaaaaacttc aggcgtgagg ttgtgtggac 300

tgaaagggcg gcttacctgt ttgattt 327

<210> 9156
<211> 314
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189059b12b1

<400> 9156

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tccatggcgc tgcgcaacct ggccaagaag ttgcggatcc ccacctctgc tgctgcccgg 120

ctcccgtccg cccccaaccc tgctgttttc cnnntcccat cggaccctgg cgcttggcgg 180

gcgtccgttt ctcggctcga gagcgctaga gactggtttg agggtcagcg agcacgttat 240

gatgatgtga caacagagtt aaaaaacttc aggcgtgagg ttgtgtggac tgaaagggcg 300

gctaacctgt ttga 314

<210> 9157
<211> 323
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059c01b1

<400> 9157

ctctatttca cgtttctcgt gtgaccggcg tggaacattt tccatttctc atgggatgtc 60

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tgcccttccg attcctcggc tggtcgtgat ccctgggctc ctcctcccgc ttctggcggt 180

ggcggctcca gcgagccagc caagaagcgg cagcggacct cgagctcgag ccaggctgag 240

gcatcctcct cgtcctcaca gcctccgccg cagcagccgg gggacgcgag agaggtgccg 300

gatctggggg aggacgtgat gtt 323

<210> 9158
<211> 243
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059c03b1

<400> 9158

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caaacaagct gttggacatc ctgtgaacag ctggatgaat gcaaagattg gcttggcagc 120

cgaggacatt gctttgccaa gtgctatttc tgccaaagtt gttcatccat gggatggccc 180

gggaacatac catggaggac ccaaactttc aatttatggc ttgcctacgg attttgctgg 240

ccc 243

<210> 9159
<211> 365
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059c04b1

<400> 9159

ctctgctatg gggtaatctg gaaaggggac gagctgattc aatgggtccc cgagacgctg 60

gagtcgctgc gaaaattggg caagaaatta gtttttgtaa caaacaattc taggaagtcg 120

agaaggcagt attcaaagaa attcaaaaca cttggccttg aagttcccga ggaagagatc 180

ttcacgtcat catttgcagc agccatgttc ttgaagttaa ataatttttc tccagaaaag 240

aaggtttatg ttgttggtga ggatggcatt ttggacgagc tcaagttagc tggctttgaa 300

tgttttggtg gtccggagga tggcaagaaa aacatactgt tggaggcaaa cttctacttt 360

gacca 365

<210> 9160
<211> 342
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059c05b1

<400> 9160

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tttcagaagg attagctgca attaaagcag accgagcagc agagagcata tctcacagaa 120

gtgcccaact tcatgggggc acagaagatg aactctcact gaaagactct ttggcggccg 180

tgagaaatgc acctcaagca gcggctcgga ttcagaatgc cttccgtgcc ttttctttga 240

ggaggagaca acacatggac gctcgactta aggatgaata tgggatgaca cacgacgata 300

tagatgaact tgcagctgca tcaaggttat actaccaaca tc 342

<210> 9161
<211> 349
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059c06b1

<400> 9161

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gagcgctcgg acacggtgct cctcaagttc ctccgcgcgc gcgagttcaa ggtcaaggag 120

gccatggcga tgctcaaggc ggccgtgctg tggcgcaaga gcttcggcat cgacgcgctc 180

ctcggcgccg acctcggagt gccggagctg gagaacgtgg tgttctaccg cggcgccgac 240

cgcgagggcc accccgtctg ctacaacgtc tacagcgagt tccaggacaa ggacctctat 300

gagaaggcct tcggcgacga caagaagcgg gagcgcttcc tcaagtggc 349

<210> 9162
<211> 329
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059c08b1

<400> 9162

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atgaagctat acttcgtctt gaaggaatgg gctttgaccg ggcgcttgtt ctggaggtgt 120

acttcgcctg caacaaggac gagaccctgg ccgcaaacta cctgttagac cacatgaacg 180

agtttgacga cggagcgccg cagtaagaca aagcaggttg tttctgaata catgcacaag 240

cccatgggaa caagggtgtg gggagactga tactcctgca ctcgcagggc aggccttaga 300

gatctttttg agattttgtc tcgtccttt 329

<210> 9163
<211> 289
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059c10b1

<400> 9163

ttcgttcgcc cacgcgtgcg aagtgcatca tctatcgttt gttttccctc aatctctaag 60

ccgatagaaa ggtgagagtt gaggggtagg tcagccgacc ggagggctgt ggaccatgtc 120

tggcgtgtgg gtgttcaaga acggtgtggc gcgcctggtg gagaacccgg ggagcgagcg 180

gacgtctaca gtgcgacaga aggcgctgct gcacacgcct agcgggcagg tggtgtcgtc 240

gtacgcgacg ctggaggcga agctgacggc gctggggtgg gagcgctac 289

<210> 9164
<211> 342
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059c11b1

<400> 9164

tcggagatga ccaagctctc tggtatctct gacatcatcc ctgagacgga ggtctgtgac 60

ttcgacttcg agccctgcgg ctactccatg aacgccatca acggatctgc cttctccacc 120

atccatgtga cccccgagga cggcttcagt tacgcgagct acgaggtcat gggcatggac 180

gctccggccc tggcctatgg cgacatcgtc cagagggtcc tccggtgctt tggcccttca 240

gagttctcag tggcggtcac catcttcggt ggccgcggtc atgccggcac ctggggcaag 300

aagctcgacg ccgaggcata cgactgcaac aacgttgtgg ag 342

<210> 9165
<211> 268
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059c12b1

<400> 9165

ttcgtcgcca cgcgttcggt cagccactac ccggcgtgcc cgtgcccgga ccttattacc 60

gggctccgtg cgcacaccga cgccggcggc gtcatcctgc tgttccagga cgacaaggta 120

ggcggcctcg aggtactcaa ggacggcgag tggctcgacg tgcagccgct ccccgacgcc 180

atcgtcgtca acaccggcga ccaagtggag gtgctcagca acggccgcta ccgtagcgcg 240

tggcaccgcg tcctgcccat gcgcaacg 268

<210> 9166
<211> 318
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059d01b1

<400> 9166

ctcgattgca cgtttctaga gtgaccggcg tggaacattt cccatttctc atgggatgtc 60

atcggccaga ctctatataa aggtctccca tccttgtatc attggtgccc cgccatgaag 120

tgcccttccg attcctcggc tggtcgtgat ccctgagctc ctcctcccgc ttctggcggt 180

ggcggctcca gcgagccagc caagaagcgg cagcggacct cgagctcgag ccaggctgag 240

gcatcctgct cgttctcaca gtctccgccg cagcagccgg gggacgcgag agaggtgccg 300

gatctggggg aggacgtg 318

<210> 9167
<211> 172
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059d03b1

<400> 9167

aaaggggacg agctcattca atgtgtcccc gagacgctcg agttgctgcg aaaattgggc 60

aagaaatcag ttttttgtaa caaacaattc taggaagccg agaaggccgt attcacagaa 120

attcaaaaca cttggccttg aagttcccga ggaagagatc ttcacgtcat ca 172

<210> 9168

<211> 310
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059d05b1

<400> 9168

tcagtcgttg ccgagccgaa ggaggagctg atctggtgcg ttccgctggt gggcggcgac 60

gcgcgctcgc ccacggtgct cctcaagttc ctccgcgcgc gcgagttcaa ggtcaaggag 120

gccatggcga tgctcaaggc ggccgtgctg tggcgcaaga gcttcggcat cgacgcgctc 180

ctcggcgccg acctcggagt gccggagctg gagaacgtgg tgttctaccg cggcgccgac 240

cgcgagggcc accccgtctg ctacaacgtc tacagcgagt tccaggacaa ggacctctat 300

gagaaggcct 310

<210> 9169
<211> 252
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059d06b1

<400> 9169

accacctaat ttaggtgtac taggttttgc gccaatattg tttaacctcc cgctaaaagg 60

tcccaaatta gcgtctttgt tcccaccaaa aaattatggt tccgctaaat accttgctaa 120

caacccacga atatataatt ctagaccaaa cgacggcgtc ttcacgagcg attggatctg 180

agctctcgtc tcggttcatc tgtgctgccg gcgtcatgac ggcgtcaata gagcgaacca 240

cgtcaggtgc ac 252

<210> 9170
<211> 408
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059d07b1

<400> 9170

ttcgctcgcc acacaccacc cgtctcgtcc tagctgctta ctcctaccgc tcgccactcc 60

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ctttcaagta taaaagcaac tatattcagc atggcatttg agtaagcatc agaacctcaa 180

aagccaagtt tgtcagcaat attatacctt tattggtgca acacttccgt agagaagatg 240

gtggatgacc tgttttatga gggcaacact gatcacagca tcagctctga ggacgaagac 300

acacttgtca ggagttgtag taatctcagc gtaagctttg gatattattg caattcttat 360

cagagtttcc ctcttgaaaa tgatgagcat gacacctctc cccagatg 408

<210> 9171
<211> 335
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059d08b1

<400> 9171

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gcatcctcgg gggtcggagg cgatgacgcc gtccttgtgt ccggggaagg cggcgacgtc 120

ctccacgacc acttcgccct cgactcctct tcctccactg gcttctccgg cgagggctcg 180

tggtcggagg ctgcctccga cgacgtggaa attgaatccg ggttaggatc agtggacaga 240

tttggttctg ctatgcaaga gcagacggat cttattgggg tggtggattc cagcgcacag 300

ttgcaattag gctggattga tgtgactgca caagc 335

<210> 9172
<211> 177
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059d09b1

<400> 9172

gaagtgcatc atgtatcgtt tgttttccct caatctctaa gccgatagaa aggtgagagt 60

tgaggggtag gtcggccgac cgaagggctg tggaccatgt ctggcgtgtg ggtgttcaag 120

aacggtgtgg tgcgcctggt ggagaacccg gggagcgagc ggacgtctac ggtgcga 177

<210> 9173
<211> 292
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059d10b1

<400> 9173

tcagtctgtc tccttgtctc atgcgactcc ggccttgctt ctatggtggg gacaagaacc 60

cggacgtgga tttgtacttc cacccgtacc gtctccagca gctgcgatct atgtggcgtg 120

atgacattgg ccttctttgc cgtggcaagg gggagttcgt ggtggcgcag ctcacatttg 180

gcggccagct ctgcgtgcta caccataaac ctggggagga gcagggcgac atgaattgga 240

gcgtttaaaa tatgcccttа cctgacggcg atgacatccc aaacctgctg cg 292

<210> 9174
<211> 302
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059e01b1

<400> 9174

tcgcttctcg ccacgcccaa acccaaagcc aggtcgcact ccttctgctc ctatcctctt 60

cctcgccgag gcggggaccg gccagcgccg ccaccgtcac cgcccgcgca tctccgttca 120

attcggcgaa tttggggctg aggaaagagg aggaacgact tttcgctggt ggcctgaaat 180

tcaggacaag atgcactttc ttgcatcatt tcacggccct gcaggttttg agcttctgtc 240

tgtttcgctg ggatggatgc caagaagttc ctgcagatgg tcgaagacaa gaagaagaga 300

ct 302

<210> 9175
<211> 281
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059e02b1

<400> 9175

tcgctttcgc cacgcccaaa cccaaagcca agtcggactc ctcctcctgc tattctcttc 60

ctcgccgagg cggcgaccgg tcagcgccgt caccgtcacc gtccgcgcat ctccgttcaa 120

ttcggcgaat ttggggctga ggaaagagga ggaacgactt ctcgctggtg gcctgaaatt 180

caggacaaga tgcacttcct tgcatcattt cacggtcctg caggttttga gcttttgtct 240

gtttcgctgg gatggatgcc aagaagttcc tgcagatggt c 281

<210> 9176
<211> 230
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059e03b1

<400> 9176

tctttttcgt ccgaagcctt tctccaatag cggaagtttc gcgccatgtg aagaaaagct 60

agaggaagcc caggaaaatc tgggtatccg accacatgat tatgttccag taacttatgt 120

tgctgaagta aattggttcc aagaagagat gagatttgcc ccaacagcgt tccttgttgg 180

actactatat tttatgggga aaaggatgca gagtggattt aatattggag 230

<210> 9177
<211> 365
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059e04b1

<400> 9177

tcgtttgact tgcgcatccc acctaacacc gcccgtggtc tgggagctgc cgccgccgcc 60

gcggagcagg ggactcgatg ggattcgacg ggctggtcgt tgtgtccgac ccttacctgc 120

agcgccgctt cacgcaggcg gacctccgcg cgctccaggc acagtacgcg gggctgcggg 180

acacggcgcc caccggcagg ctgcggctgc gggaccttcc cgccgcgctg accggcctgg 240

ggagccccac cgctatggcc gccgataaag gggaagcgct gcgcggggac gccgggaaag 300

agatcagctc gccgcccgag cgggcgctca cggacgagga gtggtcctcc gtgctcacgg 360

ctgtc 365

<210> 9178
<211> 325
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059e05b1

<400> 9178

atgactgtct acttcccgta cgctgagatt gcaagaggct caccgccttc cactctgaaa 60

ttgaggagct cctgtacagc gatgttgaga acgatgaaca catgtttgtg ttgaaggaca 120

ggaacaagcc aatcatcttt tcaatggctc gtcttgaccg tgtgaagaac atgactggct 180

tggttgagat gtacggcaag aatgcacatc tgaaggattt ggcaaacctt gtgatcgttg 240

ctggtgacca tggcaaggag tccaaggata gggtggagca ggccgagttc aagaggatgt 300

ccagtctcat tgaggagtac aagct 325

<210> 9179
<211> 349
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059e06b1

<400> 9179

ttgttcagcg tccgcccacg cgtccgtcca tgtttgctag atctgccgtg cttctcccct 60

tgctgcccgt accgactccc ggttcttttc tccggttcct cggcgatggt cgtctgcaaa 120

tgccgcaagg cgacgagggt ttattgcttc gtccaccagg ttccggtctg cggcgagtgc 180

atctgcttcc cagaacatca attatgcgtg gtgaaaaact atgctgaatg ggttgttaat 240

tctgattatg actggccaca acactgctct ttgtgtaatt tagttctaga agctgcaagc 300

gaagaaacta cacgattggg ttgcctccat gtgatgcaca caaaatgct 349

<210> 9180
<211> 319
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059e07b1

<400> 9180

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cccgatcctg ctggccgccg tcgtcgccgt cgccgtcgcg ctgcagctgg gctcgtccga 120

ccacgcgtct ccgaggatgg accagccgcc ggatggcttc gccgccggag gtcttttcgt 180

tcagcacatt gatgggcaaa aagcttctcc ccctgctgta attgtgattg gcggagggat 240

ttcaggcatt gcatctgctc gtgccttgtc aaatgcttca tttaaggtca cattgctaga 300

gtcgcgggag cgacttggt 319

<210> 9181
<211> 131
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059e08b1

<400> 9181

tccagatttg gccgccccac cggcgctggc ccgccgccag atcggagcgc ggccccggtc 60

cgatcccgct gcgccctccc cagggacatg ggaatggagg tcgtcggagc tgaagctgca 120

ccagcacagg t 131

<210> 9182
<211> 374
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059e10b1

<400> 9182

tcgggtacct cgccgggaag atcaccgtct tcgaccgacg aggacacgtt gcaaagctgt 60

gcgccgtcat cctgcctctc ctcgtggccg cgctcatcgc catctcgcgg gtagatgact 120

actggcacca ttggcaggac gtcttcgcgg gcggcatcct tggtcagaag ctcgcgccta 180

ttctttgtta tctctgaact ctttttttt ttactattcc tgtttttgcg ggaaatctcc 240

aaactctctt tgttgctgac gaggtttgtc atgtccgtga aggaatggtg gttgcgtctg 300

tttgctacct gcagttcttt ccaccaccct ctgatgacaa aggcttctgg cctcatgccc 360

acttcaggga catc 374

<210> 9183
<211> 363
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059e11b1

<400> 9183

caagcaagca ttggccaatt caccatggct gggcttcagc tctccgtcct agcggctgcg 60

ccgcctcttg tgctcgcgcc cctccatcgc cgggaccccg acatgctcca ggacgtctgc 120

gtcgccgacc tggcatcccc gatcaagatc aacggcttcc cgagcaaggc caacatcacg 180

gcggacgact tcttcttcgc cggtctgaag aaggccggca acaccaagaa cccggctggt 240

tctgtcgtca cggcggcgaa cgtgcagtca ttccccgggg tgaacacgct cggcgtgtcc 300

atggcgcgca tcgactacgc ggttggagga cagaacccgt cgtacaccca cccgcgcgcc 360

acc 363

<210> 9184
<211> 279
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059e12b1

<400> 9184

gcccgtaccg actcccggtt cttttctccg gatcctcggc gatggtcgtc tgcaaatgcc 60

gcaaggcgac gagggtttat tgcttcgtcc accaggttcc ggtctgcggc gagtgcatct 120

gcttcccaga acatcaatta tgcgtggtga aaaactatgc tgaatgggct gttaattctg 180

attatgactg gccacaacac tgctttttgt gtaaattagt tctagaagct gcaagcgaag 240

aaactacacg attgggttgc ctccatgtga tgcacacaa 279

<210> 9185
<211> 243
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059f01b1

<400> 9185

tcgcttcgcg tccgtccacg cgtccggaca gaaatcgtcc tttcgttagg ctagggcgag 60

gcgagagtag attggatctc gagctcagca cgcggcggcc atggaggacg aggagcacga 120

ggtgtactgc caggagatcc ccgtcgacgg cgaggacgtc gacatgggcg ccgggggcga 180

cgacgccgcc aagctgcacg agctcgacta gatgaagcgc cgtctcaagg agatggagga 240

gga 243

<210> 9186

<211> 228
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059f02b1

<400> 9186

tcgctacgcg tgcgcccacg cgtccgccgg agtgggttcc tgcctgccgc tgcggggcac 60

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ccccaacgcg caggccacca ctgttgatgg caagaaggtg gacgccgccg aggcattcaa 180

ggcgccctgg catcgagggc ggcttcttca agctcaaccc caaggagg 228

<210> 9187
<211> 399
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059f05b1

<400> 9187

cttgggtctt gctctcttcg ccttcctccc cggccgggtt tttctaaccc taggcgccgt 60

cggccaggaa gcccatttac cagccatgtt tggacgcatg ccaaggaaga ccagcaacaa 120

caccaagtac tacgaggtgc ttggtgtatc caagacagca accccggatg agttgaagaa 180

agcttaccgg aaagctgcta taaaaaacca tcctgataag ggcggagacc ctgagaagtt 240

taaagaattg gcacaagctt atgatgttct caatgaccct gaaaagaggg agatttatga 300

ccaatatgga gaagatgcaa tcaaagaagg gatgggaggc agcggcggcg ctgatatgca 360

tagccccttt gacatattcg aacagctatt tgggggtgg 399

<210> 9188
<211> 394
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059f06b1

<400> 9188

ttgattggtg gtaatggttc tctgcagaga ttttctgttt tcaatcacag gtgaatggcg 60

tgcggcagga tgagcaagct gaagcctagg aaacttgtgc acatacagct tcgaagagag 120

gtagagaccg aagtgagcag ctgctgccga aaaggccttg aaactcggaa ccgagcttgc 180

agacaatgtg catctgtttc cctttgccat ttctggcgca gggtccggct cgtcaaagtt 240

gggatgaagc atagcaaggt tttagataga tcaaggggga aaattttccg gtccggtcgt 300

gttatttctt ggatagcgtt tgttcattct gggtcgactc tgtttttccg tcgtcgcaat 360

ttttctggac agagcagagt gtgcaacctg taag 394

<210> 9189
<211> 265
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059f07b1

<400> 9189

ttcgttcgcc acgcgtccgc tccgcggcat gtacggttac gcccccacgc cggcgcccga 60

ccggccggcg tcgccccccg tcccgccgct cccggcgcca tcgcggcaac aggcgaccgc 120

gcggcggacg gcggacgagg tgtggagaga gatcaccggc ggtagcggcg gggaggagga 180

ggcggccccg gcctccgctg gcggggccgg ggagatgacg ctggaggact tcctggcgag 240

ggaggacggc gccgtcgtca ggggg 265

<210> 9190
<211> 220
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059f08b1

<400> 9190

tctcgctcgc ccaatcccac cgtggtgctg gacgcctgcc tggtcgtggg ccacctcatc 60

cccatggtgg agctcgccaa gctctccctc ggccgcggcg tgcccgtcgt catcgccgac 120

ccgaccccgc cggcatccac cgccgacttg ttctgctcct ccgacttcgc cgccgccgcc 180

atcgaagccg ccaacccttg catcgccttc caccacctcc 220

<210> 9191
<211> 418
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059f10b1

<400> 9191

ttcgttctgc catggtgtgc gtggcgtgcc tgatccggct ctttctcatc cccttcgtca 60

acgcgctccc ctacctttt gacctcctcc tcagcaaggt ttatcgcatg cttggatggg 120

aatacaggag gcccgagaga gtcccagctg cctgcccgtt caagcctgca gcaaacaaga 180

ctgaaggtgt ggtgggtgaa tcaaaaccag tagcaaatcc tcatgttgct agtgcaaatc 240

ctctggtgga accccagagt gctaccacag aaatgaagaa agatgattag aacatgtaac 300

ggtcgcccga tttgacttat gtgaacaact cactatttgt atttgagatt gtgtcgtaac 360

cgagaaataa ttaatgtaag attgtatatt tgggcaaggg attgctaaaa tattccca 418

<210> 9192
<211> 319
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059f12b1

<400> 9192

acccccgcag ccaatcccac cggacgcttg cctgccagcc aaccccaatc tcgactcctc 60

cgacgtcgaa tccggttccg agtccatatt tgaggtgcca ccatgttcaa caggttattt 120

gggaagccca aggagcaggc caacgccggc gcgttggcca ctttggataa gttaaacgag 180

actcttgata tgctggagaa gaaagagaaa gtgttagaga aaaaagcagg tgctgagctt 240

gagagggcca aggagttctc aaaagcaaag aataaaagag cggctatcca atcattgaag 300

aggaaaaaac tttatgagc 319

<210> 9193
<211> 396
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059g04b1

<400> 9193

tttctatgcg tccgcgcgac ctcctgtttc cgcccacctt ctccggctcc ggcgccggcg 60

aaccaatcgc ggatcgagcg attcctccga tcaggagagg cgagccggga ggaagagcac 120

ctacgcggga ggagacgaga tggggctcac gttcaccaag ctgttcagcc gcctgttcgc 180

caagaaggag atgcggatcc tgatggtggg tctcgacgcc gccggaaaga ccaccatcct 240

ctacaagctc aagctcgggg agatcgtcac caccatcccc accatcgggt tcaatgttga 300

aactgtggag tacaagaaca tcagcttcac tgtctgggat gtcgggggtc aggacaagat 360

caggccactg tggaggcatt acttccagaa cacaca 396

<210> 9194
<211> 394
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189059g06b1

<400> 9194

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gctaatccaa tccatccatc ccctaatcac caccgccgcc ggcctaatcc cctttcctct 120

gctacgcgcg cgatggcggc ggcgacggct ccggtggagg tgcccgtggc ggcgccggtg 180

aggactgtga aggtcacaaa tgtttccctg agtgcaactg agcaagacat taaggagttc 240

ttttcttttt caggagacat tgaacatgtg gatatgaaaa gtggtgacga gtggtctcaa 300

gttgcatatg ttacttttaa agatgcccaa ggagcagaga ctgcgctcct tttttcgggc 360

gcaacaatag ttgacctttc tgttatcatt gcac 394

<210> 9195
<211> 357
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059g07b1

<400> 9195

actttcaaca actgcaaact gttgagaccg ttcatgccag caaagacttg tcactacagc 60

tgaagaaaat gaataagctg cagaatgtta ggattgatga catcaatgca tctcattgtg 120

acgacctttg ccaagccctc tcagatatgc ccctgctttc cagcttattt ctctctgcat 180

gtgatgacaa ggagacactt tgtttccaag cactcaagcc agtttccaaa aggctccaca 240

cactaatcat cagaggcagc tggggtgatg aggcactcaa gtgcccaata tttcagggtc 300

atgggaagaa tctcaagtac ctggctctag tttggtgcaa tcttgggaat gaagacc 357

<210> 9196
<211> 413
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059g08b1

<400> 9196

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atctcttggg ggtcacttgc ctatggatcc tctcatgcgc cttgctgctc ggcggcgctt 120

gctccgatgg gttgctgagg atcaacctga gcaagaagag gctgaacaag gaaaccctaa 180

cagccgcgaa atcggcgagg caggagacca acctgctgag gcccggcgat ggatctcgcc 240

actctctcgg cctgtcagac gatgacatag ttcctctgga caacttcctt gacaccgagt 300

acttcggaga gatcggcgtc ggcacgccgc cgcagaactt cacggtcata tttgacaccg 360

ggagctcaaa cttgtgggtt ccgtcgtcga aatgctactt ttcgatagca tgc 413

<210> 9197
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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059g09b1

<400> 9197

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ccgttgctgt gggccaggta cctgccgccg gcggtgcgcc agtgtgcgac ggtgttgatc 180

aggacgtcgt gaatgcgtgc ttcaagagct ttggagaagg tatgaaaaat gccattgcag 240

acaggcatct ttcgggggggc aaggtcatta aggttggagt ggactgctgc atagcctttg 300

gaggccactc ctgcctctgc aagatgaaga a 331

<210> 9198
<211> 178
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059g12b1

<400> 9198

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actatttgcg catctgtaga tgattttcct ccattgtgcg catcttcaga gagtgaac 178

<210> 9199
<211> 88
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059h01b1

<400> 9199

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agctcaaaaa gatggctctc atggtgat 88

<210> 9200
<211> 235
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059h03b1

<400> 9200

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tacttgctca ccgcgactcg gcgcagcgcg cgctcatcct gcacgagtac aaagccatgt 180

accatcagga tctttaccat cgcctagcaa ccgagctgag tggaaaccac aagaa 235

<210> 9201
<211> 292
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059h04b1

<400> 9201

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tgcgacagca cgacggtgac caacatactt gcttaccgtg actcggcgca gcgcgcgctc 120

atcctgcacg agtacaaagc catgtaccat caggatcttt accatcgcct agcaaccgag 180

ctgagtggaa accacatgaa tgctatgctg ctttgggtcc tcgaccctgc tgggcgtgat 240

gcgaccatac tgaaccaagc tctaaacggg cgacatcacc gacctgagag cc 292

<210> 9202
<211> 165
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059h07b1

<400> 9202

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gatgttcaag atgatcgact cggacaacag cgggcagatc acgta 165

<210> 9203
<211> 279
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059h11b1

<400> 9203

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gaggagggtg gcgccgccgg cagtgggcca tgcgggggcg ccccgggtgc tgcaggcggg 180

ggacgcgctg ccgctcccga tccggcacac gaacctcatc ttctcggcgc tcttcgcggc 240

ctcgctcgcc tacctgatgc ggcggtggcg cgagaagat 279

<210> 9204
<211> 363
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059h12b1

<400> 9204

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gcgccagctc tacgggtcgc cgccgcgcca cggtccagtg ctgcgaccga ggaggccgca 180

ggcggagcca tgccacggtc tgctggcgct gcgaccgagg acgaggcgct gcggcgcttt 240

cgggcaggac cactacggtg gcgcgctggt ggacgagggc atggcggtgc tccggcggag 300

gatccgagag gcgcggatgg ccgtgaccaa ctacgaggcg ccggcgggat gggcggactg 360

gga 363

<210> 9205
<211> 362
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065a01b1

<400> 9205

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tagtagttcc actactttct cggttccaag gttcaattac atattttgcg cgcacatcct 120

gggtgcgcga tttccaccac aaaaaagctt gatgttacac caccatttca cctatgacat 180

cgtcgttaat cagcgatcac ctgaccacct tagaataaaa caatgcaccc gaagaacgct 240

atacttcagc aacgtagtat gttcagagct ggtgctgatg ttgttgctgc tgatcattgc 300

ttaacattgc cgaaaagggt ctggagaacg gtgttaccta acccggggac cggcgacagg 360

aa 362

<210> 9206
<211> 277
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065a02b1

<400> 9206

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ctttttcact gggtcaaatg acaacctgaa gaagtggatc ggacacccaa gatttgaact 180

catccgtcac gatgtcaccg aaccactgct cgtggaggtt gaccaaatct accaccttgc 240

ttgccctgcc tcaccaatct tctacaagca caaccct 277

<210> 9207
<211> 280
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065a03b1

<400> 9207

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ctggcaaaaa tcatagagca aagcgcgaat atgtagtagc tacccacaca ttgtacctct 120

cagcaggatt cagttttatt caatttaata cacagaattc aagctatgtg catatagttg 180

tgggcttgtg gcatgccacc atctgtgata tgtgaatctg agggcaaaac actcgaactg 240

aatcaacaat gcctgaaatg tatacttctt gagctctcaa 280

<210> 9208
<211> 371
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065a04b1

<400> 9208

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ggcgtcgtcc aggagatcgt tatcgtcggc gccgggctcg ccggcctcgc cacggccctg 120

gggttgcaca ggaaaggggt gaggtgcgtg gtgctggagt cgtcggccac gctgcgggcg 180

tcggggttcg ccttcaccac atggaccaac gccttgcgcg cgctggacgc cctcggcgtc 240

ggggacaaga tcagggagca ccatctcctc tacgaaaggc tggtggcttt ctctgcatcc 300

acaggcgagg ctgctgcaaa agtgagccta aagatgcagg gtaaaagcgg gcctcacgag 360

atccggtgcg t 371

<210> 9209
<211> 423
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065a05b1

<400> 9209

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gaagcagacg cgcggaggag agcttccagg cggcgaccat ggtgaacgtt ccgaaaacca 120

agaagaccta ctgcaagaac aaggagtgca agaagcacac cctccacaag gtcacacaat 180

ataagaaggg aaaggacagt ctttctgctc aggggaagcg tcgttatgac cgcaagcagt 240

caggatatgg tggccagaca aagcctgttt tccacaagaa ggccaagaca acaaagaaga 300

ttgtgctgaa gctgcagtgc cagagctgca agcattactc acagcgcgct atcaagaggt 360

gcaagcactt tgaaatcggt ggagacaaga agggcaaggg aacctctctt ttctagctga 420

tga 423

<210> 9210
<211> 228
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065a06b1

<400> 9210

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aaaaggcgca tgtagaagga tgttaatgaa gtgacaaaag ttgcacggct cacaaaatca 120

aaacttcagc aattgaataa agagaatctt gcaaacagag aaaagccgga ctttcacaag 180

ggatcaggtg tggaccgatc tcggacctca gtgacaatta cattgact 228

<210> 9211
<211> 307
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065a08b1

<400> 9211

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cgccgcctcg ccacaggctc acggttattc aagatggaac acaaggaggc gggttgccag 120

cagccggagg gcccaatcct atgcgttaat aactgtggct tctttggcag tgcggcgacc 180

atgaacatgt gctccaagtg ccacaaggag atggtcatga agcaggaaca ggccaagctg 240

gctgcctcct ccttcgatag catcgtcaac ggtggcgacg gtgggaaagc acctgttgtt 300

gcggctg 307

<210> 9212
<211> 255
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065a09b1

<400> 9212

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gagttggagg caatgctatg aatgctggtc tttatgatac acagggttac tacaatatga 120

gcatgaatca tccacatcag cctgttcata gatctctgcc aaatttaggc gttgattcag 180

gctatggctt accatcaaat atgtacaacc cttgcatgtc aacatctatg aacagatttg 240

tctttcatgc tcaga 255

<210> 9213
<211> 208
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065a10b1

<400> 9213

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tcaagctgca caaccgcgcc cgcgccgtgg acggcgtcgg tcccgtggca tgggacaaca 180

acgtggacag gtttgcgcag gactgggc 208

<210> 9214
<211> 292
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065a12b1

<400> 9214

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tcggctcttg tgtacgagtg gttacctaag ggaaaccttg aagaccgcat tctgtgtgcc 120

gatgacactc cacctgtatc atggcacatc cgtacacaga tcatccgtga gggttgctgt 180

gcactactct tccttcattc acacaagcct aatgcctcgg tccacggcga tctccggcct 240

tgcaacattc tcatcggtgc tgactacaga agcaagctct acaactttgg ta 292

<210> 9215
<211> 433
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065b01b1

<400> 9215

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gctccggatg ctcagcatct tcaaggccat actggccaac ctgcacggca aggaggacat 120

cttcgccttc gggcacgacg tcatgagagc caaatggcgc aagctcagcg ccgtcgtgtc 180

gcgctcccgc cggatctcgc tgcagaacat ccctccgcag tactgcacct acttcgacaa 240

gatcagggag ccatccccag cttatgcgtg ggtcaagtgt gagagggagg aagacagtga 300

ctgctccgac gtgctgctca aggccaagat aatcacacgg tccggcgtct ggaacgacgc 360

cagcagccgg tacacgagga taagcctcat caagtcccag gacgacttcg acctgctcct 420

cgagaggatc aca 433

<210> 9216
<211> 387
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065b02b1

<400> 9216

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ggtgctgctc tggcaagccg cccggctgct cgaccagctg tggtggcggc cgaggcggct 180

ggagcgggcg ctccgctccc agggcctccg cggcacgcgg taccgcttcc tcctcggcga 240

cgtcaacgac tacgcccggc agaccaagga ggcgtcgtcg ggggccgccg atgccgctgc 300

gctgccacga cgttggcccc cgcgccatgc cgttcctcta cagcaccatc aaggagcacg 360

gcacgccgtg catcttctgg ttcgggc 387

<210> 9217
<211> 339
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065b03b1

<400> 9217

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atgcaccaaa gaggaagagt atgctagtcg tgtcagaatt cataggttgc tcgccatcat 120

tgagtggagc aatccgggtg aacccttgga acattgatac aacagcagag gcaatgaacg 180

agtccattgc tttgtcagag aatgaaaacc aattgcgcca tgagaagcat tatcgatatg 240

tcagcacaca tgatgttgcc tattggtcta agagctatat tcatgatctg gagagaagct 300

gcagggacca ttttaggagg aggtgctggg gtattggac 339

<210> 9218
<211> 308
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065b04b1

<400> 9218

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tgatgggatc ttgaaattat tttcaagaaa agttcttgct gtaattctca aagtactctc 120

tcttttgcgc ttgttcactc gccatgagca acagttggaa aatgttcatc cacatactgc 180

agccgtaccc agtaatcaac caaatcttca gatagttaag gaagaccgag taaatccttg 240

tctggagcgt cttgaaagac ttgaatcgat gtgtaatcaa ctcagcagaa agcctcctga 300

gatcccac 308

<210> 9219
<211> 322

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065b05b1

<400> 9219

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ggtggtcaac ttgcattgct cgatcgcgcc gacgtctagc tcaagcaacc ttaagttagc 120

aagctagcta ggctcagaaa tcttctaggg ctatagtaca cacactttgc actacgtact 180

cacgtgtggt gtgatcacgt cgtcgtcgtc gtcgtcgaca tggtcggaag cagccccatg 240

caggctgtgc tggtggcgcc gggggtgaag ggcaagcagg tgctccccta caagcgggac 300

gcgctcaagg agaagcacgc ca 322

<210> 9220
<211> 424
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065b07b1

<400> 9220

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aatcttggtt cctggtgaca ttgtcagcat caagctcggt gacatcgtgc ctgctgatgc 180

tcgtctcctc gagggtgatc ctttgaagat tgatcagtct ggacttacag gagagtctct 240

cccggtgacc aagaaccctg gggatgaggt cttttctgga tcaacgtgca agcagggtga 300

gattgaggct gtggtcattg ccactggagt acacactttc tttggcaagg ctgctcatct 360

cgttgacagc accaaccaag tcgggcactt tcagcaggtc ctcactgcaa tcggaaactt 420

ctgc 424

<210> 9221
<211> 373
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065b09b1

<400> 9221

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cgcaggactt cgtcaacctg cacaaccgcg cccgcgccgt ggacggcgtc ggccccgtgg 180

catgggacaa caacgtggcc aggtttgcgc aggactgggc ggcgcagcgc gccggcgatt 240

gccggctgca gcactccggc gggccgttcg gcgagaacat cttctggggt tccgggcagt 300

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acagcaacac ctg 373

<210> 9222
<211> 170
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065b10b1

<400> 9222

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aatcttctag ggctatagta cacacacttt gcactacgta ctcacgtgtg 170

<210> 9223
<211> 313
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065b12b1

<400> 9223

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cgacatcact tccattctct acctgcccta cgacgaggtg ctcgcaaagc ttccccactt 120

tgttgctgaa atcaggaaag ccatcgagat tctgcataag aacggggcga ggaagttctg 180

gatacacggg acaggcgcgc tgggatgcct gccggcgaag cttgcgatgc cgagggccag 240

cgacggcgac ctcgatgagc acgggtgcat cgcaaagttc aacaatgctg ccaagaagtc 300

aacacattgc tga 313

<210> 9224
<211> 369
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065c01b1

<400> 9224

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ggtctatgac aagttggcgt ttgaggcaga tcatatatca atggcttcaa ttcctggcat 120

gtatgagagg accgtcacca tgaactctct ggggaagacg ttctccttaa ccggatggaa 180

gatcggctgg gcgatagcac caccgcacct gacatggggc gtgaggcagg cacactcctt 240

cctcacattc gccacctcca caccaatgca atcagcagcg gcggcagctc tgagagcacc 300

agacagctac ttcgaggagc tgaagaggga ctacggcgca aagaaagcac tgctggtcga 360

cgggcttaa 369

<210> 9225
<211> 356
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065c02b1

<400> 9225

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gctcgtgcca ttcaacccgg agtacctcga cgagtccgtg atgtggacgg agagcggcga 180

cgtcggcaag ggcttccgct gcattcgcat ggtgaacaac attcgactaa actttgacgc 240

cctcaacggc gacaaggacc actgcggcgt gcacgacggc accaccgacg ttctctggga 300

gtgggccaag ggcgacaacc agagctggaa gatcctcccc tggggcgaag aggcct 356

<210> 9226
<211> 131
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065c03b1

<400> 9226

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cgacgggttc t 131

<210> 9227
<211> 382
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065c04b1

<400> 9227

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agcgacgccc tctacaccta catcctcgac accaccgtct tcccccgtga gcacgagtgc 180

atgcgcgacc tgcgcctcat caccgacaag cacccatggg gctacatgca gtcgtcgtcg 240

gacgaggcac agctgctggg gatgctgatc aagatggcgg gcgccaagaa gacgatcgag 300

gtgggcgtgt tcacgggcta ctcgctgctg gccaccgcgc tggcgctccc ggaggacggc 360

aaggtggtgg ccatcgacac cg 382

<210> 9228
<211> 339
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065c06b1

<400> 9228

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tcttgcattc acgacggcaa tggccaccgg tgatgtccac aacccgacgg ccgcgctgac 120

ggaggaggcg cccgcggtgg agacaccggt ggccgccgag gaggccccga agacggagga 180

ggtccccgcg cccgcggagg ccgaggtcga ggcgtctgcc cccgtcgagg ctgaggcgac 240

caaggaggag gcgccgggcg ccgctgagac agaggaggcc aaggagaccg agccagcagc 300

tgctgccgag ccggaagccg aggcgcccaa agagccaga 339

<210> 9229
<211> 363
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065c08b1

<400> 9229

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ctccccaccc cacaggcagc aaaaaaacac ccgaaaagaa aacactccca tcgatccccc 120

tccaatcgat ccctttgtcg ccgccctcgc actcgcgtca agcgccctcg atccctgcgc 180

tacctccctt cgccgccgct gccacagatc ccttccccgc ttcaggagcc gccgatgatc 240

ccttccagga gccacgggta tcttctctct cgggacgctg ctccgacacg atccggtaag 300

gagacaggcc tccgtgtgcg gcaacgaagg cggcgagtgg cgggcgacgg ccgacccttc 360

act 363

<210> 9230
<211> 416
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065c09b1

<400> 9230

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tcgaggattg gagttccatt tgaaccttgc aatggcaaca acaagtatgt ccaggtaaaa 120

agggaggcgg gctcgttgcc ttcaacaatt accagtgagt gggactctga aggacatctg 180

tgtaactcag tttgcaatca tgtggagata gctatgcaag ctctctgtgc tctttatcgc 240

caaaggaagt tagcaatggg ggatgcaaga gaggaataca gggcacatac gttggcggaa 300

tttcttttgg atggtgatct gcagggacca atgagaaaaa ctgttgcgga actagagaat 360

catgatgcga caaatccact ttttcttatc caagtaacaa tcagttgctc tgggca 416

<210> 9231
<211> 388
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065c10b1

<400> 9231

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acgcgcacgg ggcttccttc cgtgccgcac ccgcacataa aacaaaccag aaacaaataa 120

gaaaagggta aagcgggtcg gaaggggaga aaagtaagcg ccgcgcaccg taatcggaac 180

ggaaatcccc cgaatccgtc gccggaatcc atccatcgag cgatccatcc ggccggacgg 240

cgaggcggga gcaggagggg agcggtggag atggtgagcg ccttcttcct cttctgcggg 300

tgcgtggagc aggccaacgt ggcggtggtc gagaagtggg gccgtattct ccgcctcgcc 360

gagccgggcc tccacttctt caacccct 388

<210> 9232
<211> 309
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065c11b1

<400> 9232

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gggaacccgc ggactcgccg tgctgctcct agcggcggtg ctgctgcagg ccctcctccc 120

ggcgtcggag gcggagggcc tggtgcggat cgcgctgaag aagcgccaca tcgaccggaa 180

cagccgcgtc gccgcgagcc tctccgaccg cgaggagggg cagcaccacc tactcggcgg 240

cgccaacacc ctccgctccg aggaggaggg cgacatcgtg tgcctcaaga actacatgaa 300

cgcccagta 309

<210> 9233
<211> 316
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065d01b1

<400> 9233

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gccggtcttc cctcgctgga ctaactagcg agtagagaga gagagagagc atcagagcag 120

gcgaatcaca tcgcagagcc aaggcagcag cctcatcgcc gccggtggtt cgcttcctgc 180

cgccccacca agccccgaat caaagccggg gctgcgcctc cctccctgct attggtgttg 240

gtttatcgcg cggctggccg ggggcgctgt cgtgtgctgc ggagaggagg accggagggg 300

gcggagcatg gacgga 316

<210> 9234
<211> 396
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065d02b1

<400> 9234

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gcgttgtccg aggccacaac ctcgtcatcg ccgacccgct cacccacacc agcgacccct 180

atgtcgtcct ctgctacggc tcccagaagg tgaagactag cgttcagaag aaaaatgcca 240

atcccttatg gaatgacgta ctggtgctcc ctgtcacaaa tcctacaaag ccagtgaaac 300

ttgaggtttt tgatgaggac aaattcacag cggatgacag catgggagtg gctgagttca 360

acgtaactga tacctatgac gctgcaaagc tggatc 396

<210> 9235
<211> 408
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065d03b1

<400> 9235

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agagcgacgc cctctacacc tacatcctcg acaccaccgt cttcccccgt gagcacgagt 180

gcatgcgcga cctgcgcctc atcaccgaca agcacccatg gggctacatg cagtcgtcgt 240

cggacgaggc acagctgctg gggatgctga tcaagatggc gggcgccaag aagacgatcg 300

aggtgggcgt gttcacgggc tactcgctgc tggccaccgc gctggcgctc ccggaggacg 360

gcaaggtggt ggccatcgac accgaccgcg agtgctacga ggtgggcc 408

<210> 9236
<211> 348
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065d04b1

<400> 9236

gctccacgac cagaggagcc gacacccaac ccagtaccaa cgcgctccga gcacaccaag 60

acaacatgcg tccatctcag gaccttcggc tggccgagct cctcctgttg tcagcctccg 120

tcctcctccc cacagccaga gcccagcagg aataccggga ggaggaggag ttcagctact 180

cgctggacgc agagaatggg ccggcgcact ggggcgacat caaggaggag tggtccgcgt 240

gcggcaaggg caacatgcag tcgcccatcg accatcgcag cccgcgcgtc tccctcgtgc 300

gcggtctcgg ctacctcaac cactcctacg ccccagccaa cgccacca 348

<210> 9237
<211> 386
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065d07b1

<400> 9237

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gagacggtca ccatcgagct caagaacggc actaccgtcc acggcaccat caccggtgtt 180

gacataagca tgaatactca tctgaggacc gtaaagctca caatgaaagg gaagaatcct 240

gtaacccttg atcacatcag tgtgagagga aacaacattc ggtactacat gctacctgat 300

agcttaaacc tggaaacgtt gctggttgag gataccccca gggtcaagtc taagaagcca 360

actacaggga agcctatggg tcgggg 386

<210> 9238
<211> 219
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065d08b1

<400> 9238

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agagaataac tgttctagca gagttataac tactacacgc attattgaag ttgcacggtc 120

atgttgtatg ggtcaagatg accgcatgta tgaaatgcaa ccctagagtg attttaattg 180

taaaagattg ttcttgagaa caatttttgg gtccaagga 219

<210> 9239
<211> 270
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065d09b1

<400> 9239

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gggagcatat tcatttttac agtggaccga tgatatgata atactttact gcccctcttt 120

tgtttccttg ttttgagaat attggttggt taaattgtgt tgtagttcct gattacagtg 180

aggaaagaag aaaaagggtg gcatcccctt gcccccgatg ttgtaatgta gaaaaagaat 240

gacttgtcag taacaatgtg aagtattttt 270

<210> 9240
<211> 373
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065d10b1

<400> 9240

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tcaaatggtt cctgacccgg catggctggc cggcatccag atctcgtcaa cgagcccttc 180

atcgcccaca ttcagtctca tgtcctccaa cccattcagc gtcttcaaag aagccatccc 240

tggcggcggt tcatcaagga tgtgcacgcc ggggcagagc ggcacgtgct cgccggtgat 300

ccctggcatg gcgcggcacc cggacgttca catgatggac gtggtctccg acgagttcgc 360

gtttggaagc agc 373

<210> 9241
<211> 297
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065d11b1

<400> 9241

ttctcttgac gagatccatc caccctagag gccaagaaga gaagggagga gagagagagg 60

ccggcggcgg cggcggagca ggcgatcgga gatggtgcgg aaggccaagg tcgagttcga 120

cgagaggccg tcggatgact tcgacccgaa gaacccgtac ggggacccgg tggcgatgct 180

ggagtacagg gagcacctgg tgcgggagaa gtggatccag atcgagaccg ccaagatcat 240

ccgcgaccgc cttcgctggt gctaccggat cgagggcgtc aaccaccacc agaagtg 297

<210> 9242
<211> 352
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065d12b1

<400> 9242

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ggccgccgga tgacttcgac ccgaagaacc cgtacgggga cccggtggcg atgctggagt 180

acagggagca cctggtgcgg gagaagtgga tccagatcga gaccgtcaag atcatccgcg 240

accgcctccg ctggtgctac cggatcgagg gcgtcaacca ccaccagaag tgccgtcacc 300

tcgtcgacca gtacctctag ttcacccgcg gcgtcgggtg gggcaaggac ca 352

<210> 9243
<211> 345
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065e05b1

<400> 9243

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cattagcaac catgaagagc accaagctcg cggcgatcct gatcctccag gccgtcctgg 120

tcatggggat cctctcacac gtgaacgccg actatttccc caagtgctgc aacagttgca 180

ggtccttctc gggggtcgac gtctgcgacg acgcccaccc ccagtgcccc aagggctgct 240

cggcctgccg cgtggtgacg cccagccctc acaagacgtt ccggtgcgcc gacatgaaga 300

gcaccgtcga cggcacctgc ggcgggccat gcaaaaagca ctgat 345

<210> 9244
<211> 414
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065e06b1

<400> 9244

tttgtatgag cagatgctgg tgtacgagta catgccaaat ggtactctac gtgatcatct 60

ttcagctaaa gctagagagt ctccaagttt tcccatgagg ctacgaatcg cactgggatc 120

atcacggggc atcctgtatc tgcacacgga agccgaccct ccgatattcc atcgcgacat 180

caaggccagc aacatcttac tggactccaa gtttgtagcc aaggttgctg atttcggcct 240

gtcgcggctg gctccgctgc cagacacaga ggggagcgcc cctggccacg tgtccaccgt 300

cgtcaagggc actccaggtt atcttgaccc ggagtatttc ctgacgcaca agctgacgga 360

caagagcgac gtgtacagcc tgggcgtggt gttcctggag ttgcttacag ggat 414

<210> 9245
<211> 239
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065e08b1

<400> 9245

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tccgggcgcg gcggagtaca gcctcgacga gccgaccttg gcggagaagc tcgcggccct 180

gagcccgccc gccgaggcgg ccggtggcgc cgccgtggtg ccctccagcg cggactccg 239

<210> 9246
<211> 225
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065e09b1

<400> 9246

agagaggact atgagaagag gatcctcact tccctcaatg gacggcagct gacccgagat 60

ggccggatga ggaatcctga tgagaagccc atatttattg aaacacagca gccagcagca 120

cctgtgcaac aggagcctat cccatcaaaa gcgcccttga aacaagcaaa ggaagctgct 180

gctcctcaag tcgtcgctcc caaagaagag ccccttgcaa aagca 225

<210> 9247
<211> 272
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065e10b1

<400> 9247

tgttcggtac gacagccatc atcctccgtg cggttccaag ctccaactcc cacgcccgtc 60

ttcccctaga tcaggaggag cacgccgcac cggagcgccg agacctcgaa gccttcgtct 120

ccacctcgga gcagagatgg ggctcacgtt caccaagctg ttcagccgcc tcttcgccaa 180

gaaggagatg aggattctca tggttggtct cgatgcccct ggtaagacca ccatcctgta 240

caagctcaag ctcggagaga tcgtcaccac ca 272

<210> 9248
<211> 279
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065e11b1

<400> 9248

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gtcccctccc cccaggaaac cagccatgaa gggggccaaa tccaagggcg ccgccaaggc 120

cgacgccaag ttggcggtga agagcaaggg ggcggtgaag ccggccgcca aggggaagaa 180

gggcaaggcc ggcaaggacc ccaacaagcc caagagggcg ccatccgcct tcttcgtctt 240

catgggcgag ttccgcgagg agttcaagca gaagaaccc 279

<210> 9249
<211> 255
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189065e12b1

<400> 9249

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aaggttcaga agaacggtac aggcgaacat ttaccttcgt ctcggccgaa gcgtaaggta 120

gcccatccat atccgcagaa ggcctctaaa actgcccctg tagcatccca agctgtttta 180

ccacaacaac ctgctcctgc tgcccctcct acgagggatc aagatggtgt taatgtgtct 240

atggaggcat ctatg 255

<210> 9250
<211> 321
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065f03b1

<400> 9250

ttcgtttgcg tccgggggag tgctggggga tctccacagt gccgtctagc tgaaggcctg 60

tttgcagaag acctgctagg ccaggtacct ggattagatg ctgaggatcc atgggtggtg 120

cccgaggttc cctccccacc aacagcctcg ggtctatgct ggcaagggaa cttgcattac 180

cctgtgtatg acggcgccat gttcgtccct gaagcaccct ccctgcagag ctcccaggac 240

cacttcactg catctgctgg tttcaagcgt tcaaggagag agttttgaat acccgaaaga 300

atatagcgtt ggacatatct g 321

<210> 9251
<211> 411
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189065f04b1

<400> 9251

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gtcatcggtc ccctgttgca gcctacactg aatactagca cagaagcaat attgaagttt 120

ataaatggat tatcttctac atacgccaat ttctgctttg gatggataaa cgttaaagat 180

gttgccctgg cacatatcct tgcatatgaa gttccttcag caaacggaag atattgtatg 240

gttgaaagag tcattcacca ctcggacctt gtcaagatca ttcacgagat gtatcctgaa 300

tttccagtgc cagacaagtg tgcagatgat gcgccgtttg ccccaatcta ccaggtatca 360

aaggacaaga taagaagtct gggcatggag ctgacacccc tggagacgag c 411

<210> 9252
<211> 355
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065f05b1

<400> 9252

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cgcctcgtcc acccatacct ctagaagtct agatctaggc ctgacccgta gttttctgat 120

cgtgttcgct tcgatctcgg ggtaagctga gttcggcgtc catgatttgt tcctatcacc 180

cgtttgttat ctgattctca ggtttctcct tctgatcggc gagttggggc ttgcggcgat 240

cttggagcat agacgggagg caagctggat ctgcgcacgg aagcttccga tctgaccggc 300

tggcgtctca gatctgctgc tggtctgatg ctaaacggcg gatctagatg ttccc 355

<210> 9253
<211> 460
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065f06b1

<400> 9253

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ccccatatct tctccccagt cccggacgcg tccgccccga cgaccgaccg acgaacagcg 120

caaaagtagg agggagagga tgagcaccat ggcgatgtcg gcgctgaacc cggacgcgcc 180

catgttcatc ccggcggcgt tcaagaaggt ggaggactac tcgcccgagt ggtgggagct 240

cgtcaagacc accgcctggt tccgcgacca ctggttccgc cagcaccaac tctacgagga 300

cctcgccgac aacgtggacg tggacgacgt cgccgccctc ctccccgacg actccgtcga 360

cctgctcgac gccgacgacc tcttttactc cccgccgtcg ccccagcccc agcccgactt 420

ctaccactac aaaccagcag ggttcggcgg tgacatggac 460

<210> 9254
<211> 300
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065f07b1

<400> 9254

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gttgccggtg ctcatggtgg tggccatggc tacccatctg gtggccacgg gtacccccg 120

cagcagcatg gataccctca gcaaggctac cctcctcagc atggctaccc accgcagcag 180

catggctacc ctccacagca gcatggctac ccccctgctg gctaccctgg ctcatctggt 240

cacagtggta gccatggagg aggaggcatg ggcatgggtg gcatgctggc tggaggagca 300

<210> 9255
<211> 292
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065f08b1

<400> 9255

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tccagacggc cagcttctcc ggcctctccc tcggcgactc catctggtcc cccgccgacg 180

ccgcccccg cgcccgcaac gccgacctct tctcccccct cccggcgccc gacaacaaca 240

acgccgtcaa gatgaacggc aacggcctca acgggcccgg ccttatcggg tc 292

<210> 9256
<211> 430

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065f09b1

<400> 9256

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aggacgggga tgaggcatgg gcaaggaaag acgctgtggc cttccggagc cagctatgag 120

ggcgagtatg ccggtgggta catatatggt gaaggcacgt acactggaca ggataacatc 180

gtctacaagg gacggtggaa gctgaaccgt aagcatggtc tcggatgcca gacatatcct 240

aatggggaca tgttccaagg ttcttggatt cagggagaaa tacaaggtca cgggaaatac 300

acatgggaaa atggaaacac gtacaccggc aatatgaaaa atggcaagat gtccggaaag 360

ggaacattta cttggaaaaa tggtgattcg tacgaaggca actggttaga tggcatgatg 420

catgggtatg 430

<210> 9257
<211> 116
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065f11b1

<400> 9257

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actttccccc tcctcgtcat ggcaacgaag gcccccgccg tcgcggcgct cctact 116

<210> 9258
<211> 204
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065g01b1

<400> 9258

tcgtcctcgc gtccggccgc aacctgccgc aaaggcggcg tttttcctgc ccttgcgacc 60

tgcccaggcc gcagcagagc gccatgtggt cctcccctac cctcgcgcca gacgccgggg 120

ccgccgtgag ggccgccgac gactcgtcgg agaccgacca gctcgactcc atgtccacgg 180

aggacatcgt ccgggccacc cgcc 204

<210> 9259
<211> 321
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065g03b1

<400> 9259

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ggtccagtca gacctggcga tcagcgatgt ctacatgccg gacatggatg gtttcaagct 120

cctggagctt gtgagtctgg atatggacct accagtcatt actaaggcta acctgcttaa 180

tcctctgctg ctctttgtaa acgatgctct aaaaggtatc actgccgggg aatgattgtc 240

gagtgaatct actcgtttca tgtcatgtca ttaggtgcta cagaactttg gagatgaatt 300

atgtctgcta acctacaaac a 321

<210> 9260
<211> 365
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065g04b1

<400> 9260

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ggaacatttg gatggacaac atgggctaat attgggcttc agtcagcggc ttgaaatagc 120

catagatgtt gcccatggat tgacttatct gcatctatat gcagagaagc ccattataca 180

ccgggatgtg aagtcatcaa acattctact aactgaaggc ttcagggcaa aagtagccga 240

cttcggattt gcaagaattg gttcaacaga tccaggccag tcagagattc aaactgatgt 300

gaaaggaaca gctggctatg tggatccaga gtatctgcgg acaaactatc tgacagtcaa 360

gagtg 365

<210> 9261
<211> 336
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065g06b1

<400> 9261

acgagtgaag tgagagcttc gcacgaaatg ttcatcagcg accatgaagg gcaccaagct 60

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cgactatttg cccaagtgct gaaacaactg caggtccttc tccggggtcg acgtgtgcga 180

cgacgcccac cccaagtgcc ccacgggctg ctcggcgtgc cgagtggtgt caacgagccc 240

tgaaatgtgg cgctgcgcgg atatgaaatc caccggcgac ggcacctgcg gtgggccctg 300

caagaagtac tgatcggctc atgccagcat gatatg 336

<210> 9262
<211> 424
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065g08b1

<400> 9262

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agcagcagta cctgaaggct taccagcagg ctttggaaaa ggttgtaaat tgaacgaaat 120

aatatgcaag gccgtagagt ttctccctga gttatggaaa ttagcagggt tttcgcttga 180

agccatttct gaatatagga ggtctcttct caataactgg aatcttgatg gagagaccat 240

agctaaaata caaaaggaat ttgctgtttt tcttctgtac agtggctgtg aagcccgccc 300

tccaaatctc cattctcagt tggatggttc atttgtacca cgcaacaata tggaagaggc 360

tacactcctt ttaatgattc tattgagaaa gtttaatctg aggagggttg agcgggatcc 420

cact 424

<210> 9263
<211> 397
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065g09b1

<400> 9263

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tcctcgagct tgtcggtctg gagatggacc tcccagtcat tagtaaggct aacctgctta 180

atcctctgct gctctttgta aacgatgctc taaaaggtat cactgccggg gaatgattgt 240

cgagtgaatc tacttgtttc atttcatgtc atttggtgct ccagaacttt ggagatgaat 300

tatgtctgct aacctacaaa catcgcaaat agttcctcga tgtgctactg ctagttttgt 360

tagggaagat ggaaaatctt tgttcatttg tgtggtt 397

<210> 9264
<211> 401
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065g10b1

<400> 9264

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tatctccgac atcattcccg agatggaggt ctgtgacttc gacttcgagc cctgcggcta 120

ctccatgaac gccatcaacg gatctgccgt ctccaccatc catgtgaccc ccgaggacgg 180

cttcagctat gcgagctacg aggtcatggg catggacgcc tccgccctgg cctacggcga 240

catcgtcaag agggtcctcc ggtgctttgg cccttcagag ttctctgcgg cggtcaccat 300

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ctgcaacaac gttgtggagc aggagctccc ctgtggaggc g 401

<210> 9265
<211> 351
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065g12b1

<400> 9265

gcaaagaaaa tggcttccac ggaaaccact ggcagcagca agaagctgcg cgtgctcctc 60

atcccttttct tcgcctccag ccacatcgga cccttcaccg agctcgccgt tagccttgcg 120

acggccagac cacaggccgt agaggccacc atcgcggtga cgccggcgaa cgtgccgttc 180

gtccggtcgt tgctccagcc gcacgagaac ggcagtggca taccggtgaa ggtggcgacg 240

tacccgttcc cggccgtgga cggcctcccc aagggcgtcg agaacctcgg tgcggcagcg 300

cacgccgacg catggcgcat cgacgtggct gcgctgagcg attcattgat g 351

<210> 9266
<211> 165
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189065h01b1

<400> 9266

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gcatcctgca aaaggcgcag gaggaggtac ggtgggtggt gggcggcaag ggccgggtgg 120

aggagtcgga cctggcggag ctccactaca tgcgcgccat catca 165

<210> 9267
<211> 312
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189065h02b1

<400> 9267

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ctgtgatgtt cctgggtttg aaaacactag gatgaagctg ctgagacatg tttcctttgt 120

tgattgcccg ggctcacgac attctcatgg ctacaatgct taatggagca gctatcatgg 180

atggagcctt gcttttgata gcagcaaatg aaagctgccc acaaccccag acatctgagc 240

atcttgcagc tgctgagatc atgcgtctcc aacatctcat aattttacag aataagattg 300

atcttatcca gg 312

<210> 9268
<211> 510
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065h05b1

<400> 9268

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ggacaacacg aggcttgcca ttgctgcgat tggcaagctc atgtttgccc agttctcgga 120

gctagtaaac gacttctaca acaatggctt gccctccaac ctctctggtg gccgcaatcc 180

aagtcttgac tatggcttca agggtgccga gatcgcaatg gcgtcatact gctcggagct 240

ccaattcttg ggcaaccctg tgaccaacca tgtccagagt gcggaacagc acaaccaaga 300

tgttaactcc ctcggattaa tctcagcccg taagactgcc gaggccatcg acattctgaa 360

gctcatgtcc tctacatttt tggttgcgct gtgccaagcc atcgacctgc gccacctcga 420

agaaaatgtc aagaatgccg tcaagaattg tgtcacaaga gtggctagga agaccctgtt 480

cacacatgac atgggtggcc ttcacaacgc 510

<210> 9269
<211> 405
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065h06b1

<400> 9269

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gggttgctga ttcagcgttt ggagcagcta tgaaggcagg tttcctagca atgaagccca 180

ctggtggaaa gttgcttgtg tttcagtcgg tgctgccatc agttgggact ggttcattat 240

ctgcaaggga aactgaaggt agatcaaata tttcgagtgg agataaggaa gcacataagc 300

tcctgcagcc tgttgataag acactcaaaa caatggcact agaatttgct gagtatcaag 360

tttgtgtaga tgtgttcctt accacacagt catacacaga tgttg 405

<210> 9270
<211> 279
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065h09b1

<400> 9270

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cggagccgtc ggtcaagccg atctggtccc gcgacgccat ccccaacccg cccaagccgc 120

cgctcggccc gccgccgtcc ttcacggcct tcaacttcgt caagtccacc gtcgagatct 180

cgctggacag catcaagcgc gtcaaggacc aggtcgccgc cgagacggcc cagcgatgct 240

ccaccttcga cgtggtgacc gccatcatct tcaagtgcc 279

<210> 9271
<211> 205
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065h10b1

<400> 9271

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ggaatcctac accggcgaga aagaagctac gagcagagag agatggaggc cgtgcatgag 120

ggcaatggag gagggagcgg tctggtggtg acggagctga gccacagtaa ggagctggtg 180

aagcagctgg acgtgcacct ggggg 205

<210> 9272
<211> 371
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067a02b1

<400> 9272

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gctccggcca tggcggcgac gatccagtcc gtgaaggccc gccagatctt cgacagccgc 120

ggcaacccca ccgtcgaggt tgatgtgtgc tgctcagatg gaacctttgc cagggccgcc 180

gttcccagcg gtgcatcgac tggtgtctat gaagctttgg agctgaggga cggtggatct 240

gactacttgg gcaagggtgt ttccaaggct gttaacaatg tgaactccat tattgcaccc 300

gctttggtcg gcaaggaccc taccgctcaa actgagctcg acaactttat ggttcagcag 360

cttgatggaa c 371

<210> 9273
<211> 345
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067a03b1

<400> 9273

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gcggcagttc cactccctcg ccatgggcaa gattaagatc ggaatcaacg gttccggacg 120

gatcgggagg ctcgtcgcca gggtagccct ccagagcgac gatgtctagc tcgtggccgt 180

caacgacccc ttcatcacca ccgagtacat gacctacatg ttcaagtacg acaccgttca 240

cggccactgg aagcacagtg acatcaagct caaggacgac aagactctgc tctttggcga 300

gaagccagtt accgtcttca gcgtcaggaa ccctgaggag atccc 345

<210> 9274
<211> 195
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067a05b1

<400> 9274

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tcattggtga tttcaagcag gcagaggttg accctcctgt tcagaagaag gctgctcctg 180

ctaaaccaaa ggagg 195

<210> 9275
<211> 162
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067a06b1

<400> 9275

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tggccttcgc cgatgaccgc ggccctgcgc aggacagtgc cgagctcgtg agaatgagag 120

gagaggagcc gccacccaac ccaacccaca caaccaagga gc 162

<210> 9276
<211> 371

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067a09b1

<400> 9276

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gaactggccc agtggcttct aggatgcaca cgcaggcatc agctcagcca aaagcagaac 120

taccagttcc caaggttgct atacctcctc aggcagcaaa atctcctgct aaagttgatg 180

tgacacccgc aaaagttcat cagtcatcgg ttgcaccccc tcctaaagtc gactatgcca 240

ttgacctctt taacatgtta tggatggacg gaacaactga gaaagaacca gtgtcatctt 300

ccaatgatga taatgcttgg gatggcttcc agtctgcaga accagcacct aactccgaga 360

aaaaggatac t 371

<210> 9277
<211> 328
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067a12b1

<400> 9277

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atccgagccc caagccctcg ccgtcgggag gcgggaagtg gtgcgtcgcc aaggacggcg 120

ccaacgggac ggacctgcag aacaacatca actatgcctg cggcttcgta gactgcaagc 180

ccatacagag cggcggcgcg tgcttcagcc ccaacagctt gcagtctcat gcctcgcacg 240

tgatgaacgc ctactaccag gccaacggcc acaccgactt ggcgtgcgac tctaagggca 300

ccggcgtcgt cacctccagc gaccccag 328

<210> 9278
<211> 234
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067b01b1

<400> 9278

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taagacattc aagaaaccaa ggcgtcctta tgagaaggag cgtcttgatg cagaactgaa 120

gctggttggt gagtatggat tgaggtgcaa gcgtgagctc tggagggttc agtatgcata 180

gagcaggatc cgtaatgctg caagacactt gctcacactg gatgagaaga atcc 234

<210> 9279
<211> 287
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067b03b1

<400> 9279

tctcacgcgt ccgctggaat tgctctgaag atcttcctta tactactccc aagcatatta 60

atgtttatgt caaaggttga aggattgaca tcagtgtctt cattggaaag aagatctgca 120

tcgaagcact atatcttctt attctttaat gtattcctgg caagcatcat tgctggatct 180

gctttggagc agctacaaac ctatcttcac cagtcagcaa atcaaatacc aaggacaatt 240

ggtgtagcaa ttgcaatgaa ggcaaccttt ttcataacgt atgtaat 287

<210> 9280
<211> 306
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067b04b1

<400> 9280

ttcgtttaga caccaagcca tcacccagct agagaggagc tctcaccgca tagttcagac 60

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taggaacgcc cactagcact ggatgcgaga caggggtaca tgattcggtt cgacggtcac 180

ttcgagttcg aggacccgtc gaccgtcgag ccgacgccgc ctccgttcgc ggtcagggcg 240

atctcgtctg agcaggagca tacgcccatg gtcgccgggc tgctgcacgt gatctcaggg 300

tacacc 306

<210> 9281
<211> 335
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067b07b1

<400> 9281

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accccgacga ggacctcgcc gacgccgttg acgccctcac cctacagggc gccaacctct 180

ccgggatcat caggcgcgta cctggggacg ccgcggcgga ggaggtgaat ccggtgatgc 240

ggttgctgga cgagctgaag gcctcctcca gcggccggtc ggcggaggat cttgacaggc 300

tggtctcttt gctcgacgag ttgctcgagc tgtgc 335

<210> 9282
<211> 409
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067b10b1

<400> 9282

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tcgtccacca ctgctgcaag tattatgcca agagctgatc ctcaagcacg taaggcatcc 120

cttgcccgat tcttggagaa aaggaaagaa agagtgacga ctacggcgcc atatccatca 180

gccaagagcc cgatggagag cagcgacacg gtcggaagcg ccaacgacaa caacagcaag 240

tcctcgtcgt gcacggagat cgccttctca agcaaccatg aagagtcgct gcgcctaggc 300

cggcccagga acatcagctt tagtggggag tcctcgagta caaaactaca catctgatcc 360

gatatgatct tccggtgtcc atagatacaa ccatgatggc tgatgcaaa 409

<210> 9283
<211> 161
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067b11b1

<400> 9283

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acgatcgatc gctagcctcg ccggagcatg aggggttcac ggtggtgctg ctgctgcttc 120

ggccggggcg gcagcagggc cactcggtcg gggcgcgtgg g 161

<210> 9284
<211> 416
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067b12b1

<400> 9284

tatcgcatcg catcgcccgc ccacacctcc ctcgccggta cccactgtag catacacatc 60

catccatacc tacctctaga gtttttctct tctgttctgt cctgttctat acaccaagga 120

gaaggaaaat aacgagccgc cattgccgca cctctgcgct tctggacgag gaggccggtg 180

caacgcaatg cggcatctta ctactactac gtactttata gtcactacaa aacacagtta 240

ctgtgctggt aacaggaagg aagggtttga gtgttgtgtc tccccggaac ggcgggaggt 300

agtagccgta gttattactc ttgtggtagc tagcggtact aagttttgca actttgttgt 360

tcttattagg tgtgtttgat atggtagatg tacatatatg tatactatca cagatg 416

<210> 9285
<211> 236
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067c01b1

<400> 9285

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gggcgcgagc tccattcact gcgcgcactg gcggagggcg actctcgtcg aacggcacgg 120

cgccgtcgtg cacggggccg ccggcttcgt caggagcgtg ttcacgaaca ttggccggac 180

gaggccgcac ccggagtacc cgccggtgca cggcaacaag cgcgctctct tggtcg 236

<210> 9286
<211> 75
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067c02b1

<400> 9286

ttgtcggcta cacttccctg acagacattg ttaggccttg tcagggaagc tagctaggta 60

agaaaaacca tggcc 75

<210> 9287
<211> 279
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067c04b1

<400> 9287

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aatggtgtac ttatcgccac ccagaagaaa ctgccttcta tttagtggac gaaacatctg 120

tgcaaaagat tcagtcgtta actccaaata taggagtctg atacagtggg atgggtacca 180

gattttcaag gtcttgtcaa aaaaagtcag aagcaggcac atcagtatta tcggttgtgc 240

aaggaaacca tacctgttac ccagcttgtc cgagagact 279

<210> 9288
<211> 261
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067c05b1

<400> 9288

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gttccacaca actgccaggg cctgctgctg aaacctgctt gttattcttc ttcattcttc 120

gccgtggcct agcatgctgt ggatctatcc aacgggggga gatcgaccag atgactggct 180

gcaacggcaa cggcaacggc aacttgcgcg tattcaccat gggacagcag acggtcactg 240

agaagaagct cggaggaatt g 261

<210> 9289
<211> 343
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067c06b1

<400> 9289

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tggaggccgg gagcagcaag gccaggctgg cggtggcgtg cgcgatcggc ggaatcttgc 180

tgggcgcggc cgacgtggcg ctccacgttg ccgggcccgt ggccgtcccg ggcctgcccc 240

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acggctgctt cgacatgacg cactacggcc actgcaacgc gct 343

<210> 9290
<211> 69
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067c08b1

<400> 9290

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aaaaccatg 69

<210> 9291
<211> 411
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067c10b1

<400> 9291

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gacgtaccag gtgttgggcc acctcaagac gtgcctcatc ctctccttcg gctacgttct 180

cctcaaagac cccttcacgc tccgcaacct caccggcata ctgatcgcca tcttcggcat 240

gggcctctac tgcttcttct ccgtctccga gagcaggaag aagaccgagg gcgccacgtt 300

gcccgtcaac acccagatga gcgagaagga ttcggcaccg ctccttggca cgaaaacctc 360

gccgtggcag gagagcaacg gggtggagaa ctttgacgac gtgccacgga c 411

<210> 9292
<211> 297

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067c11b1

<400> 9292

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tcgtgttgtt tgctgtggat atatccgacg gggggagatc gaccagatga ctggctgcca 180

cggcaacggc aacggcaact cgtccgtatc caccatggga cagcagacgg tcactgagaa 240

gaagttcgga ggaatcgcac caaagaagcc tctgatttca aaggaccatg agcgcgc 297

<210> 9293
<211> 423
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067c12b1

<400> 9293

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agcgagtaag tgcactagag aaggcattga ctggcttcgc ggagaggcag actgatgttg 180

ttgttaatcc aacagtgggg acctgcttcg attcgattac agaggcatat gatttttata 240

acctctattc ctgggaaatg gggttcggta taaggtacgg caagagcagg cggaatgcaa 300

agggtggtaa atgcatgcac gaaattactt gtgttaattc gggtaaacca aatatgggcg 360

ggaaatcgcg catgtgcgag tgcacagcac taattaggct actcagaact gatgacaacg 420

gat 423

<210> 9294
<211> 426
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067d01b1

<400> 9294

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gccggagagg aatcgcgacg agggcttcct cctatcaggt tcgtggctcg gcgaccctct 120

gttcccgtta aatcaaagcc atggagcaca aggagaccgg ctgccagtct cgggagggcc 180

ccatcctttg cgtcaataat tgtggcttct tcggcagcgc ggcgaccatg aacatgtgct 240

ccaagtgcca cacggagatg gcgacgaagc aggagcaggc aaagctggcc gcctcctctt 300

tcgacagcat cgtcaacggt ggcgatgccg cgaaagaaca tcttgctgct ggcagcacgg 360

cggcggcagt tgctcacgtt gaggcgaaga cgcttattac cgcacagcct gctgatatcg 420

ctggtc 426

<210> 9295
<211> 293
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067d02b1

<400> 9295

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atggatgctg acttggtgac tgcacataag tgatacaaat ggtttgctga actggaataa 120

actatgaaat ctcagactga ggaaaagtct cgcctatacg agagtacatt agaggaacgt 180

gttaacacat gtgatgacat ccttcaacaa gtggatggga cacagaactt atttgaagaa 240

ctacaatact tgcactcaag tgttgccata aagacacaaa ctttgcatga tgc 293

<210> 9296
<211> 341
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067d03b1

<400> 9296

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ctggcggccg tggtgggcgc catcgtggtg tccaagatcc ggggccgcaa gctgaggctg 180

ccgccgggcc ccttcccggt ccccatcttc ggcaactggc tgcaggtcgg cgacgacctg 240

aaccaccgca acctggcggc gatggcgcgc aagttcggcg aggtcttcct cctccgcatg 300

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<210> 9297
<211> 407
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067d05b1

<400> 9297

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agggctactt ccggagcttc tgcactcgca aacaagccat tcctgaaggt tctacacctg 180

tctgagcaag cagcattaat tgaagaagaa gagaatgagg aagaacagga gaaccaagag 240

ggcgcagaga aagaagaaaa ggacaaacat gaagtaaaaa gtgctcagtg gattagagat 300

gattcagcta aagtgagtga aaagatatgg aatgagctca ccccacccaa tagcgttgag 360

aagctggtaa tcaagaacta ccaaggtcga aagtttccaa actggat 407

<210> 9298
<211> 222
<212> DNA
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<223> Clone ID: uC-tsrow189067d06b1

<400> 9298

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attttccgtg tggctcgttc acgggctgga ggagccccgt gtggcggcta ccggcgtggc 180

gtgactccgg cgcgcagcgg ttcatccagt ggaggctggg ga 222

<210> 9299
<211> 435
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067d07b1

<400> 9299

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gccaagaaga agggcgtcga cccgtcacac atctcagctg atgggactta tgctttgaag 180

aaagttttta ttcagagcga ccaacacttg gagctagtac ggcaggagat ccgagtgtcc 240

tctcaattca gccatccaaa tttacttcca cttcttgaaa atgccattat tgcagtcaag 300

ggtgtgcaag atgggtcgca gaaccatgag gcttacttgt tgttcccagt tcacttagat 360

ggaaccttgc aggatgtaac taaatccatg caagaaaaga aggaatacct ttcaacaatc 420

accattctcc agata 435

<210> 9300
<211> 346
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067d08b1

<400> 9300

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tggacgcagc agaagagacg agattactgc tccaagagga tggggatcag gatgcaagtc 120

tttacacagg tgatgggtcc gttgacatca aaggccgtcc cgcaacaagg cgcgacacag 180

gcaattggcg agcatgcgtc ttcatcctag gaaatgagtg ttgtgagcgt ctggcctact 240

atggaattgc aaaaaaccta gtcacttatc tcaaaataaa gcttcatcaa ggcaatcttg 300

aagctgcaag aaatgttacc acttggcaag ggacatgcta tctgtc 346

<210> 9301
<211> 394
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067d09b1

<400> 9301

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cgcgtcgaac ggcacggcgc cgtcgtgcac ggggccgtcg gcttcgtcag gagcgtgttc 180

acgaacattg gccgggcgag gccgcacccg gggtacccgc cggtgcacgg caacaagcgc 240

gctctcttgg tcggcatcaa ctacaccgga acggcggccg agctgcccgg ccccatcaac 300

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cttgtcctta ccgatgaaga gcgcgacccc taca 394

<210> 9302
<211> 292
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067d10b1

<400> 9302

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cagctagata agagaaaaaa agagagagaa gaactcgccg ggagggctcg agatctgtgt 120

tcggagaggg gaattcttga ggtcggaatc ggaacaagcg ggcgcgctcg ggatcggggt 180

taccatacaa tttttgccag gaacctttag tgaatgtgct aatggagtca aagggtggca 240

aaaagtctag cagtagtagt tccctgatgt acgaagctcc cctcggctac ag 292

<210> 9303
<211> 440
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067d11b1

<400> 9303

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tccaccgcgc tattgccccc cagcccatcc accccagcca ctccctcccg gccttctcgg 180

ccgcttctct ccccgcggca gccgacgtct gccctccgcc cccgggcccc caccattcca 240

actcgctctc ggagttcgcc gcttccgcat cccaatcccg cgtccaccgc cctcccactc 300

gcgccgcggt gcgcgcggac cgcccgcccc cgctggagct gcgcccgagg ccatcgaggg 360

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cctccactca cctctgggcg 440

<210> 9304
<211> 444
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067d12b1

<400> 9304

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tgcaaaagat tcagtcgtta actccaaata ttggagttgt ctacagtggg atgggtccag 180

attttcgtgt tcttgtcaga aaaagtcgga agcaggcaca gcagtattat cggttgtaca 240

aggaaaccat ccctgttacc cagcttgtcc gagagactgc tgctgttatg caggagttca 300

ctcaatctgg tggcgtaaga ccatttggtg tatcactgtt gattgctggc tatgatgaca 360

atggcccgca gttgtatcag gttgacccat cagggtctta cttctcctgg aaagcatcag 420

ctatgggaaa aaatgtgtca aatg 444

<210> 9305
<211> 411
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067e01b1

<400> 9305

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gtattgacaa gcgtgtgatc gagaggtttg agaaggaagc cgctgagatg aacaagaggt 120

ctttcaagta cgcctgggtg cttgacaagc tgaaggccga gcgtgagagg ggtatcacca 180

ttgatattgc cctgtggaag ttcgagacca ccaagtacta ctgcaccgtc attgatgccc 240

ctggtcaccg tgacttcatc aagaacatga ttactggtac ctcccaggct gactgtgctg 300

tgctcatcat tgactccacc actggtggtt ctgaggctgg tatctccaag gatggccaga 360

cccgtgagca cgccctcctt gctttcaccc ttggagtgaa gcagatgatc t 411

<210> 9306
<211> 127

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067e02b1

<400> 9306

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cggaccggcg agcgccaaag cgccagccag caacggaacg caaggaattg caatgggaga 120

tgggccc 127

<210> 9307
<211> 437
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067e03b1

<400> 9307

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gagatcgggg tcgggacagg gatctagaca aggatcggga cagggacaag gatcgggatc 120

gccaccaaag gcatcaccgt gacaaaaggg agcaccgaga ccgtcctgat gatcacgatc 180

gtcacagaag ccgtgattct gaaaggagaa gggaccgcga gagagatgga catcgcaggc 240

atcgctctcg ttcacggtct cgttcaaggg gcagggatga tcacagatct cgatctcatt 300

caaaaagcaa gcgagtcagt ggattcgacc tgggaccaac agcacaatcc gtacttcctc 360

agttccctac cattccaacc ccaagtcagt tacctggctc ttctattcct ggaatgttcc 420

cgaacatgct ccctttt 437

<210> 9308
<211> 518
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067e04b1

<400> 9308

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ggtatggggg gtgcgcgtcg tatgatcttg gcgatgaagg gatggcgatt cctgcgagat 180

aggcagtgca aatatagtcc ctgatgctgc ggaccaggat ccagacgaag atggcatggg 240

agtgtcaagt gcaaaccaat cttcttggat caggagggtc aaagttggtg tgtcacagcc 300

aaaaactatc ttaacagctc gcgcgatgga aattgcaata ggcgacgtca tgccgcggac 360

tgcacatcgg tggtgcaaat ggcacgtcct gaagaaggca aaagagagcc ttggggcact 420

gctttgcaag ggaagtgaat tcaagccaga attcacatgc tagtccacca catagttagt 480

attgatgaat ttgagaaggg ctgggcatgc atgattga 518

<210> 9309
<211> 56
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067e05b1

<400> 9309

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<210> 9310
<211> 454
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067e06b1

<400> 9310

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ccccccctcga gcgagcagtc ggtcacttgg tggaagatcc gtcccccgcc ggcaaccgaa 180

tcgggaagag gaggaggggg ccgatcgaag ctccgggcga gagtcgccgg ccatggttaa 240

ggagacgggc tactacgacg tgctcggcgt gatccccaca gccagcgagt gcgagatcaa 300

gaaggcctat tacatcaagg cgaggcaggt ccacccagac aagaacccta atgaccccca 360

ggccgcaggg aagttccagg aactgggggga ggcataccaa gtgcttagtg accccgctca 420

gcgcccagct tatgatgcac atgggaaatc tggc 454

<210> 9311
<211> 453

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067e08b1

<400> 9311

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ggtggtagag ttaaggagtg gatatgtatt aactttgctc ggaatgtcca agatagtgct 120

gccaggagtt tctgtcgtca gctggctgac atgtgcgaaa tatctggaat ggacttctca 180

aaggatcctc tgcttcctcc tttatgtacg agagctgagc atgtagaaag agcactcagg 240

gcacactatc gagatgctat gaatattctg aaaccactgg gcagggagct tgacctgctc 300

attgcaattt tgcctgacaa taatggtcct ctttatggta atctcaaaag aatatgcgag 360

acagatcttg gattggtctc tcaatgctgt ctcacgaaac atgtttttaa gacgacacag 420

cagtatcttg caaacgtcgc ccttaaaatc aat 453

<210> 9312
<211> 118
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067e09b1

<400> 9312

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cgcggaggtc aacgcgtggc tggcttccct ggcagcggag ggcggcggag tgggaggg 118

<210> 9313
<211> 397
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067e10b1

<400> 9313

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gattactctc gaagcggata atctgttatg gttaaccgag attttggctg gcaggaatgc 120

tgcagaagaa tttgcaggct tgtggtctaa ccaacgtgag ctggctgggc ttcattccaa 180

gctaccgacc aagtcgcgcc accttgtgag ctgcgtcact gccaggctct ttgtggcgat 240

tgggaaaggc gaaatgctcc cgtccaagga caccaggcag ctcctcctgg atgtctggct 300

gcagcctctc atggatgact acaactggct gcagcacggt tgcaggtcgt tcgaccggac 360

cgtcgtcgag gaagggatcg ggtcgaccat cctgacg 397

<210> 9314
<211> 251
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067f01b1

<400> 9314

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ttggcgtcca tctattttga aggcaagatg cctcttgcag agctgatgga ctcgagcctg 180

ggctccttcc ctgaagaaac cgcgcgcgcg ttgtgcgacg tcgcgaggtc ctgcatcgac 240

ccggacccga g 251

<210> 9315
<211> 302
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067f02b1

<400> 9315

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actctacatg cttatcgacg cggtggccat cgaggtcaaa cttgtccgga aatatttgtc 240

ggagtaatgg atgtatctat acgcatgtta gttttagaca catccatttt tatgcatttc 300

tt 302

<210> 9316
<211> 407
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067f03b1

<400> 9316

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cacctgccgc aggcaaggga atcttcaaag gagaaatctg aagagcacac aaacttggtc 300

ttctgagctg aactcctggc cgacgaagca gaagccatgg ggtcagggga ctggttcaag 360

accatcatca gcaagaagaa gtcgaaacgg ggcaagtcaa agcacgc 407

<210> 9317
<211> 390
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067f04b1

<400> 9317

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acgctcgtcg aatactcctc ccctaccgcc tcaagatgca gatctctgcg aagaccctga 120

ctggcacgac catcaccgta gaggttgagc gctcccacac catagacaac gtgaaggcca 180

agatccagga caaggagggc attcccccgg accagcagcg tctcatgttc gctggcaagc 240

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tcactcttga ggtggagagc tccgacacca 390

<210> 9318
<211> 417
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067f05b1

<400> 9318

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gccgtgtccg gcatgcacca gcgcaaggcc gagatggccc gccgcgccga cgccttcgtg 240

gcgctccccg gcggctacgg cacgctggag gagctgctgg aggtcatcac ctgggcgcag 300

ctcggcatcc acgagaagcc cgtgggcctg ctgaacgtgg aggggtacta cgactcgctg 360

ctggacttca tcgacgggcg gtggacgagg ggttcgtgtc gccggcggca aggcgca 417

<210> 9319
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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067f06b1

<400> 9319

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acaattgtga cagtgcacct cttacactct tatgtccact agccatccgt agcatctaaa 180

ctgtcgatat ctttgtgtag caaaagttag aaaggttatt cttaagaagc atggttagga 240

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tacatggctc acaggaaaca tatagttcgc taggtgccgg atgtatgttg aacccacggc 360

gtcgctcctc cttgaatctt tacctgatga aatgtaaata taatgagaca gaagtaatca 420

aatctagttg tactatgaac t 441

<210> 9320
<211> 308
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067f07b1

<400> 9320

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ctctttaatc atacaataca attgctcaga actattcagg attttacagc tagacccgac 180

atagctgatg attgctttct gcttgcgtca agatgtattc gctactgtgc tgatctattt 240

gtacctacag agatttttcc aagattggtt gattgtgcaa tggctggtgt aactatacaa 300

cataggga 308

<210> 9321
<211> 376
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067f08b1

<400> 9321

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ctttcgaaca tcaaggaaag ggcgagccaa tccgtatata cgatggacgg cgatctctcc 180

cggaggctca tcaagatccc aatttaacta cggcagctct cctggatgaa acagaagctc 240

ttaaatctgc aaacccgaag ggtgaaattc attaccttcg tgattctgat gatgagcgac 300

ctgactcgga tgaagacccc gatgatgatt tggatattta gccacaatat gagctctgtt 360

tatcttagtg ggcagc 376

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<211> 361
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067f09b1

<400> 9322

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gctggaatct cacaggggggt ggtcttttgg tcctgaataa gttattctgc ccaatcttga 180

caatttcttc ttgtatttat gtttcgacgt catgacttct tccccagatc cattgtatac 240

tactaatact actccctagt gcccatgttg aaaagtaaat gacgtttctg gcattattga 300

tatgttgcca aacacaaagt tttagccaat atttcctttt gcgagatggt actttgcttg 360

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<210> 9323
<211> 412
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067f10b1

<400> 9323

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ttgaacaacg tgaagggata cacgggtacc tacacaggca acccaggcgg tggttacggc 180

ggtggttatg ggaacgggaa gtatccatga taggccgtat atgatgatac ttggagcacg 240

gaaatacaaa tacgtacggc agaccatgaa taaattatca cccgttactg gtatatcgta 300

ctctcttatc cataataagt gtcgcagttt tgtacgaagg tcaattcact cttaatacaa 360

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<210> 9324
<211> 446
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067f11b1

<400> 9324

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gacaatgatc cctccaaact gctcaagagc gcctcctaga tgatgagcct aaggaaatac 180

gacggggcgc tcggtctgct caacgctgtc ctcgagctcg accccaacca ttccgaagct 240

tacaggcagc gcgcaacagt gcttcgtcac agatgcagac acaaggaagc tgagagtgac 300

tataacaaat tactggagct caagcccggg actgcttcag tggagaagga actagctcag 360

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tcaaaagtcc tggagtacgt caacaa 446

<210> 9325
<211> 120

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067f12b1

<400> 9325

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ttcttctctg ccgatgggac gagctggtgg ccgcatggat tatgaagcgg gcaaaagagc 120

<210> 9326
<211> 325
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067g02b1

<400> 9326

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gatccgacct ctcttccatc agcgacagcg accccgcaac ccccggctcc atcgaccatc 180

gggcgaggga atggaggagg agggcgcgag gaaggcggtg ctcttccggc tgttcggcgt 240

cgaggtccgc ggcgcggagg aggaggatga cgcggagccc atggagctca agaagagcac 300

cagcatgccc aacctcgcct gcgcc 325

<210> 9327
<211> 351
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067g04b1

<400> 9327

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gcgttataca ccgagatctg aaaccatcga atatattgat aaatcatagg ggtgaagtaa 120

agatatcaga ttttggtgtt agtgccatca tttctagttc ttctgcacag cgagatacat 180

ttactggcac atttaactac atggcgcctg aaagaatcag tgggcagaaa catggtcatc 240

tgagtgatat ctggagcttg ggcctagtta tgctggaatg tgccactggc aatttcccat 300

atcctcctcg tgaaagcttt tatgaacttc ttgaagctgt tgtcgaccaa c 351

<210> 9328
<211> 310
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067g05b1

<400> 9328

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atctacggcg agaagttcgc cgacgagaag ttcgtccaca agcacaccaa gcccgggatc 120

ctctccatgg ccaacgccgg gcccaacacc aacggctccc agttcttcat ctgcaccgtc 180

ccctgcaatt ggctcgacgg caagcacgtg gtcttcggcg aggtcgccga gggcatggac 240

gtcgtcaaga acatcgagaa ggtgggctcc cgcagcggca cctgctccaa gcaggtcgtc 300

atcgccgact 310

<210> 9329
<211> 379
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067g06b1

<400> 9329

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tgagctagct atatagctcc gtcgcttgct tccgagttcc gacagctcgc tccgatgacg 120

gtggcggcgg cgggcgcggg caggcgttac gcgctgttgc tggcggtgaa cgactcggac 180

tacgccagga aggcgcacgg cgggtaccgg aacgtgttct tccgcgccct ccgctccggc 240

gaacccgacg aggcgtggga ctgctaccgc gtaatcgacg gcgagttccc ggcagcagag 300

gatctgggcc tgtacgacgg cttcgtggtg agcggcagcc cgcacgatgc ccacggcgac 360

ggcgccccgt gctgggtcc 379

<210> 9330
<211> 415
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067g07b1

<400> 9330

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cggaatcgga acaagcgggc gcgctcggga tcggggttac catacaattt ttcccaggaa 180

cctttagtga atgtgctaat ggagtcaaag ggtggcaaaa agtctagcag tagtagttcc 240

ctgatgtacg aagctccccc cggctacagc attgaagacg ttcgacctgc tggaggcgcc 300

aagaagttct ctgctgcata ctcgaactgc gcgaagaagc catcctgata tcgtttttgg 360

catccccttc ccgtagttta ggatttttat gcaattttat tctgactctt ttctc 415

<210> 9331
<211> 346
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067g08b1

<400> 9331

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cggataaaac tagcaagtgg gagatcgacg caggtgaaca ccccagctac aagtagtaga 120

ggaagtggaa ttttatctgt ggagaaaaag agctgcttga gtgaccatga tgggaggtgg 180

gctgctgatg gatcagggca tggccttctc cggcgtgcac aacttcgtgg atctgctcca 240

gcagaacggc gccgacaaga acctcggctt cggctacctt atgccgcaga ctttctccgg 300

cgaccagtgc gtcatgggcg agggctacct cgtggacccg ccgact 346

<210> 9332
<211> 389
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067g09b1

<400> 9332

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ctcagtgcat cagaattgtt tctttcatgc agagtttctg ctgctatttg ttaaatctta 120

aagaaacgtc tgttcctgag gtttacaagt ccccttgttc aaatatgaaa atgatttatt 180

tgcaaacttc aatgcaaaat ggttagtcag tctcgaacaa ctgcatgtat atatactttc 240

tagctatgct attgatgcca catccagatt acacttttct tctcttttc ttttcttggg 300

agtagaaagg tctcactcaa ggatcgagca aatgcagctc taatgcttgt gtcgtctaat 360

tcaaagcatg atgactctaa atgttcatg 389

<210> 9333
<211> 236
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067g10b1

<400> 9333

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aaccagtact tccttggaag ttcctactgc tggaagcccg aaggcatcaa gcctgaagaa 120

attggcgctc tgcatgtgat tcctaaggag ctttcgttga agattgtcag taagattgaa 180

gctggcgaac ggtttactgt ttatgttgtg gtgccaatgt ggcctgaggg tgttcc 236

<210> 9334
<211> 94
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067g11b1

<400> 9334

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cacatgttct taatgtttgt gctaagcccg gaca 94

<210> 9335
<211> 396
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067g12b1

<400> 9335

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cctctcacac gtgaacgccg actatttccc caagtgctgc aacaactgca ggtccttctc 120

ggggggtcgac gtctgcgacg acgcccaccc ccagtgcccc aagggctgct cggcctgccg 180

cgtggtgacg ccgagccctc acaagacgtt ccggtgcgcc gacatgaata gcaccgtcga 240

tggcacctgc ggcgggccat gcaagaagca ctgatccgtt cagggcttca ggctcagacg 300

aggtgtgccg cctaaaataa agctcagatg agatgagcag tcatggtgcc tatgcttgtg 360

tgtgggtcgt gctatacggc caacaatatg tatact 396

<210> 9336
<211> 396
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067h02b1

<400> 9336

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ccgagaatgt gaaggagttg atcaacccag aagtgacagt gacgatgact gagaacactc 120

ctgatgaccc tcgccagagg aagcctgaca tcaccaaggc caaggaggtt ctcgactggg 180

agcccaaggt cgtcctgcgc gacggcttgg tgctcatgga ggacgatttc agggagcgtt 240

tggcagtgcc caagaagacc aaggcctaat tgccctccct acgtttggcg tacaacatga 300

ccaattagcc agagcatact catagttggg tgggttcgtc aatattcgtt gctgcgtttc 360

gttacggaat ttgagttcca ataaaccaat tacacc 396

<210> 9337
<211> 367
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067h03b1

<400> 9337

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gctccccctc tccatcgtgt atgttcctca cccgcagcta ttgctgctcg aggtcggcgc 120

caagagcggc catccgctca tctgctgtgg cggcggcccg gcagacgctc tcctccggat 180

gggacctgtc cgggctgtcg ggagcgcgac cggcagctgg aaaagcccgt ctcgaggagt 240

tggacaccag caacatgctt ctccgccagc gaatcatctt tctcggctcc ccggtggatg 300

atttgactgc ggatcttatc accagtcaac tcttactgtt ggatgcaaag gaccacacaa 360

aggatat 367

<210> 9338
<211> 415
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067h04b1

<400> 9338

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acagaggaga tgtgggttct tgggtacgtg aagcagcaat ggatgcgcta gaaagatgca 120

cgttcatcct ctgcaagaga gatgctgttg cagtgagagc agcgccagct gctgaggatg 180

agtctgagcc aagcgacatg gatgcaaatg caattagtac cacatgccaa ctatttgatt 240

ctgctattgc acagggtctg gtcgctggca ttgcaaagca ggcagttgag aaaatagata 300

agataagaga aatagcagtc aggactctgc agaggattct gtacaaccaa gaacagtttg 360

tcccgtctat accttacagg aagctgttgg aagaaattat tcctaataat tctga 415

<210> 9339
<211> 315
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067h05b1

<400> 9339

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tccctgtaaa cctgagctcc tgcatcaggc tgaacaaaat gggactacac aacaacaaga 180

ttggcggcca catcccagct gagctcggcg aaaagttcat atccctggca gtgatctcgc 240

tgaggaacaa tagtttcaca ggtcccatcc cggggtcaat ggccaatctg tcctatctac 300

gatatcttga tttct 315

<210> 9340
<211> 312

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067h06b1

<400> 9340

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tctggctcga tggatgggga tattcgacta tgggacattg ctgcaaggaa gacagtctgc 120

cagttccctg gacaccaggg tgctgtgaga ggtttggcaa catctaccga cggcgatctt 180

ctgatatcct gtggggtcga ttgcactgtt cgactctgga aagatcctat gcgtaagatg 240

atggacacta atgatgctat tggagatgct tcccagccgt cagcagtcta tacatggaag 300

catgcatttt gg 312

<210> 9341
<211> 376
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067h07b1

<400> 9341

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ctttctgagg ttgtgccgag atgaaggtcc ctctccctgt gaggagcaag agcttcaaga 120

agagcagggg agcttcatgc agcctccccc tgctgctgct catcggggcc gtccagttct 180

tggtgatcgg caagcctttt ccgtcgctct tgatggatag cagcaggagg agggccttct 240

tcaatctcgc agaggaggag ttcatcccgg agcctcaggt gagctgcgac ttcaacgaca 300

cgagatccga ctactgcgag atggccggcg ccatccgcat ccgcgggagc acgtcggagg 360

tgttcgtcat gacccc 376

<210> 9342
<211> 345
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067h08b1

<400> 9342

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aacgctgcct acattggcac ccctggcaag ggtatccttg ctgctgatga gtccaccggc 120

accatcggca agcgcttcgc cagcatcaat gttgagaacg ttgaggacaa ccgtcgtgcc 180

ctccgtgagc tcctcttctg cacccctggt gccctccagt acctcagcgg tgtgatcctg 240

tttgaggaga ccctgtacca gagcaccaag ggtggcaagc ccttcgtcga catcctcaag 300

gcgggcaatg tcctccccgg catcaaggtg gacaagggca ccatc 345

<210> 9343
<211> 329
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067h09b1

<400> 9343

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ccgccgtccc cgccgccgat ggactcgtgg gctcggggag ggcgtcgctc caggcgccgt 120

ggcagcagcg gcagcgccag ctctggcggc ggcgtcgagt ccgaggagga gtacctggcg 180

ctctccctcc tcatgctgtc ccgcggcgtc cgcggcgagg tcgaggacgg cggcatcgga 240

ggcgtcaagg gcttgggagc ggcgccgacc aaggcgcagg ggtacgggtg ctccgtgtgc 300

ggcaaggtct acgcgtccta ccaagcgct 329

<210> 9344
<211> 243
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067h10b1

<400> 9344

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cacgtccgtc agggcgtatg tggcggagtt catcgacacc ctcctcttcg tgtttgccgg 180

cgttgggtcc gccattgcct atgggaaact caccgatgat ggcgcgctcg acccggctgg 240

cct 243

<210> 9345
<211> 248
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067h11b1

<400> 9345

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cgacaccatt attttgggta gtcaagtcac atcacattac tcatgtgatt aaactaaacg 120

acgcgctaga cacgttacac tagtgtttga cttggtacag aaatgaaata attgaaaaga 180

tactgttcat agctcatgtc tgacgacctt gcaagcttgc aatatcatct gcttcttcgc 240

ttttcttt 248

<210> 9346
<211> 167
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067h12b1

<400> 9346

cccacgcgtg cgagtcaggg taactggaga cagggctcaa tgactggaaa aacactttac 60

gtctcgaaga gtctggtgcg ctctttacga tccttgaaaa tcaaagggaa agaatgattt 120

tctcacctag tggtactgat aaccgcagca ggtcttctag gtgaaca 167

<210> 9347
<211> 342
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068a03b1

<400> 9347

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aggaaaggag cttctgaagt atagagaatc ggcgcaggtg gctgctgttg aagccatgca 120

ggaagcttca gctgcagaaa gcttgctgag atgtttgagc tcgtacgccg aggtgagctc 180

gacggctgag gagcagaacc cgcagccgac cgttgagcag ttcctcgccc tccacagctc 240

gctctcccgc gccacggtga tcactgacac cctcaccaag tcagcagccc cgccggaatg 300

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<210> 9348
<211> 138
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189068a04b1

<400> 9348

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gcggacnaca acagagagaa cctcctccag gaagaggagg agcaagtgga agaggcttga 120

gtgccaagca acaaacta 138

<210> 9349
<211> 361
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068a05b1

<400> 9349

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atagatgctg agatactcaa ctctatggct gtgacaaatg accatttcaa gaccgccctg 180

acgacaagca acccgtctgc tctccgtgaa actgttgttg aagttcccaa tgtttcttgg 240

gaagatattg gtgggcttga gaatgtcaaa agggagttgc aggagactgt tcaataccct 300

gtggagcatc cggagaaatt tgagaagttt ggcatgtctc cttcaagggt gttttgttct 360

a 361

<210> 9350
<211> 343
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068a06b1

<400> 9350

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gaggctgctc tccaatgcat tcgtgagaag atggatatta ttgatcttga ggacgagaca 120

atagatgctg agatactcaa ctctatggct gtgacaaatg accatttcaa gaccgccctg 180

acgacaagca acccgtctgc tctccgtgaa actgttgttg aagttcccaa tgtttcttgg 240

gaagatattg gtgggcttga gaatgtcaaa agggagttgc aggagactgt tcaataccct 300

gtggagcatc cggagaaatc tgagaagttt ggcatgtctc ctt 343

<210> 9351
<211> 425
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189068a07b1

<400> 9351

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gggcacacaa ccagccgtca agccacgccg ccgctcgccc cagcgatgcc gccaccctcc 120

ctcctgctct tccactgccg cgccccgctc ccgcaccgcc cgctgcggat gagctctccg 180

tcgccgagca ggagggtcgt ctgctccgcc tccaccgccg aggggtacat ctccgcggcg 240

ccgatcctcc ttccagacgg gccatggaag caggtagaag gcggcgtcac ggcggcgaag 300

gggtttaagg ccgcgggcat ctacggcggc ctgcgcgcca agggacagaa gcctgacttg 360

gcgcttgttg cttgcgacgt caacgccacc gtcgccggat cttttacaac aaatgttgtt 420

gctgc 425

<210> 9352
<211> 104
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068a08b1

<400> 9352

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aagggaccta tcctatatgt atgtctaaaa tagtaacatg taac 104

<210> 9353
<211> 295
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068a09b1

<400> 9353

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atcgccgagt tcatctccac cctcatcttc gtcttcgccg gcgtcggctc tgtcatcgcc 180

tacaccaagg tgagcggcgg cgcgccgctt gacccatccg ggctgatcgc cgtggcgatt 240

tgccacgggt ttgggctgtt cgtcgcggtc gccatcggcg ccaacatctc cggcg 295

<210> 9354
<211> 354
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068a10b1

<400> 9354

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atcctgctct tccaggccaa ggggatcgac accgccgtcg agatgagctg gaaggattac 180

ttcatgagag tcgtcccaac cgctctggga accgcgctcg acataaacct gagcaacgcg 240

tctctggtgt tcatcacggt cacgttcgcc actatgtgta aatcggcgtc gccaatattc 300

cttttgctat tcgcttttgc attccggttg gagagcccca gcatcaagct tcta 354

<210> 9355
<211> 411
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068a11b1

<400> 9355

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actgcggatg cgctgccaag ttggcaggct tccatgacac acattgcgct tgaaggggga 180

tgctttgttc tgacagcaaa ccagttctgc cgcagaaaag actttcctcc cccgcctgag 240

tataccttg gtggccatga ggaggagcca tccccagaaa ccgctgtttg tcctggaggg 300

agcgccatca tctcgccatc tgggacagtg ttggcaggtc ccaactatga aggcgaggcc 360

ctcctcacag ctgacctgga ccttggagaa attgttcgag ccaagtttga t 411

<210> 9356
<211> 349
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068a12b1

<400> 9356

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gtaatgtgaa caggaacact gaaacattag ttgcagattt tggtgagagc gcaattggca 120

gggtggcacc agtggactct ggattttggt ggattattct cctccgggcg tatacaaaat 180

atactggaga tgctagttta tcagaatcac ctgattgtca gaagtgcatg cggcttatac 240

tgaatctttg cttatctgag ggattcgata ctttcccaac tctgctctgc actgatggtt 300

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<210> 9357
<211> 281
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
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<400> 9357

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gatctgacgg agcagggcag cgccgccgcc gaggtcgccg ccgtggtcgt cctcggcgtg 180

gcgcctgaga acaaggcggg acagttcgag gtggccgccg ggcagtccgg cgagggctgc 240

agctgcggcg acaactgcaa gtgcaacccc tgcaactgtt a 281

<210> 9358
<211> 293
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068b02b1

<400> 9358

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tgggctgcag acacgacatg cacggcggcc acaacggcgg cgtgaagggc ttcgtgtcca 120

acctcgtcgg cggcggcaaa agccacgggt acggcggcca ggggcacggc tgcgaccagg 180

gctacggcgg ccacgggcag cagcagcacg ggtacggcgg ccacgggcag cacgggtacc 240

ctccgcccgc cggcggggct tgccccccgt acggcggcta cccggcgcaa ggc 293

<210> 9359
<211> 247
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068b03b1

<400> 9359

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cgggggggaga ggagaaagga gaagcgggcc aggatgtgtg gcggagcgat cctcgccgag 120

ctcatcccgg ggggcgcgcc ggcgcggcgc gccgcgtccg gccacgtctg gccgggcaag 180

gccgccgacg acttcgaggc cgcgttccgg gacttcaacg aggaggagga cgtggtggtg 240

gtggtgg 247

<210> 9360
<211> 224
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068b04b1

<400> 9360

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tccagattac atactaaagc cggactctga accagtcatc cttgacaatg caccatcttg 120

tcccgtggta gtcttcatca actctagaag cggtggccaa cttggaagtg gtttgatcaa 180

atcataccgt gaagttctca atgaagcaca ggtctttgat ctgt 224

<210> 9361
<211> 383
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068b05b1

<400> 9361

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gtaaactcga ccaccgcaga ctgcggctgc tgcataagct tagccgcaaa aggatgttgt 180

tctacttgta tttttgcggg tggctctgac tttgcctgca agaacacttg ttgtttcccc 240

tgtattcttg aagattctgt ggttgctaag atggatgaaa tgggagtggc ttcgaagatg 300

gaaggactgt actaaaacga tatgcttgca ttgctaccaa catggatgcc attcatcggc 360

atatgttgga ttgcttcgat cta 383

<210> 9362
<211> 453
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068b07b1

<400> 9362

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ccttctctta agatttgccg atgactcata cctggagagt tatatcagta ctattggtgt 180

tgatttcaaa atacgtaccg tggagcaaga tggaaagact atgaagctgc aaatctggga 240

cactgctggg caagaacgct tcagaactat tactagcagc tactatcgag gggctcacgg 300

gatcattatt gtctatgacg tgacagacca ggacagcttc aacaatgtga agcagtggtt 360

gaacgagatt gatcgctatg ctagtgagaa tgttaacaag cttcttgtag ggaacaaatc 420

tgatctcact gacaaaagag ttgtatcata tga 453

<210> 9363
<211> 416
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068b08b1

<400> 9363

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gacaacgagg acctgaggac cgaggctttg gagggctgcc tcgtgtccta cgccaaggcc 120

accctccccg ggctgtcgag gtccatgagg tggcgccgcg cgtccgcgcc ggtgtcgtcg 180

gaggtggagc agagagacct cctggaggcg gtggtcgcca gcctcccggc ggacaagggc 240

tcggggagcg tggtgaccgc gaagttcctg ttcgcgctgc tgcggacggc gcacatcctg 300

cgcgcttcgg acgcggcgcg cgccgcgatc gagcggaagg ccgcgacgca gctggaacag 360

gcaacggtgg aggacgtgct catcccgagc tactccggcg ccgcggagac gctcta 416

<210> 9364
<211> 241
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068b11b1

<400> 9364

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gaaggcgagg taacacgcca gcagccgctc cagctcctcc ggccgggcgt cggtcccccc 120

gctgctcgcg atcatctcgg acatcgactc cctgaacgcc cgctgcgggt cccgcgtccg 180

ccgcaccact gagaggctct ccagctccgg cgccgaccgc cgcggcgacc gcaccttcac 240

c 241

<210> 9365
<211> 329
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068b12b1

<400> 9365

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aatcccgtga ggcaaggacg gttgtgaagc aaaggggtga caaagccttc tgcagcatgg 180

agtgcaggga gaacttcatg gaagatgaga tggaaggtga accttcgata ggtcactctg 240

atcccagctg cccatccttt gacaatcgtc gcattttcca actgatccag tgaccagcga 300

gcatcagtaa acacttgatg tggtcgtat 329

<210> 9366
<211> 376
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068c01b1

<400> 9366

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cgcacgccag cgaccctgct cgcccttaac cccacccccg atcccgatct gtccgcgcag 180

gcctctgacg acgtctctcc gtggggccgc tcgacggcgg acgagctgga ggaccgcctc 240

ctcaagaggc tggaggaggc ctacgcggcg gcgctggccg gcctcgctga gctcggctac 300

gccgaggact ccgcgctccg ggccgtcctc cgcgcgggcc actgctacgg caagcttgac 360

gaccctgtcg ataaca 376

<210> 9367
<211> 466
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068c02b1

<400> 9367

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ccacgcggcg cgcccgctcg ccgcgcgcgc gaatctcggt cgcaactggt gtactgttga 120

aggaaggaaa aatcatccta tttgtcatgg cgggaactga ctcctcggcg tcatcgagac 180

aaagcagttt caactcatta gcaaaggacc tagaacttcc tttggagcaa gggtgcctca 240

ccatcgttgt acttggggct tctggagatc ttgccaagaa gaaaacgttc ccggcactct 300

accacctttt tgagcagggg ttcttacaat ctggtgaagt gcatatagtg gggtatgcga 360

gaacaaatct ttctgatgat gggttgagag ggcgcatccg tgcatacctt aaaggagcct 420

cagaggaaca tgtttcagaa ttcttgcaat tgataaaata tgtcag 466

<210> 9368
<211> 381
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068c03b1

<400> 9368

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tggagcacaa agataccagg atgtaaagaa agttctcgca gacacattct ttggtcctcc 120

tgaagttggt gtatatagcc catcagtgca gaatacatta tacctcatgg ctagggaagt 180

tcttaccagg ttcccagaca tagcgtcagt tcagcttagg atgccaaacc tccactttct 240

cccggtgaac ctatcaggga aagaaaatcc aggattggtg aagtttgctg atgatgtgta 300

catgccaact gatgaaccac atggaaccat tgaagcaaca ctgagccgcg ccaactcaaa 360

gctgtaatat tttatttttc t 381

<210> 9369
<211> 416
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068c04b1

<400> 9369

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aagtgatgct gctccgactc cacagcagat gggtagtcgc tgctggcggc ttcctgaccc 120

attctgtgcc cttgtacatg acaggcgtcg aggtttctcc gctcagctcc tacgccggag 180

aaaacctgga ggcgatctgc cgcggacgga cattccacgc gcccagcgag atctcgttct 240

aggcgcatca gttcacgaca gtggcagcaa atggaggaag cagtattgca cagggattgc 300

aaggtcgaac gaatgctcgc agttgacatt ggttgtattg agctgagctc tttgagctat 360

tggcattagg gttttcaggt actgggcaga ctgttgtatc ttttgtgagt aaattg 416

<210> 9370
<211> 357
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068c06b1

<400> 9370

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gggcaggcac ctccccccag ggatcgatcg aagatgccta atatagcgct ggaccaccgc 120

cgcgaggcgt cggaccccgg ctgcctccgg gccgtgctcg gcgagctcgt cctcaccttc 180

ctcttcgtct tcgtcggcgt cggctccgcc atcgtcggag gacaagcagt cgcagccgga 240

ggcgacacgt cagcggcgtt gatcgcggtg gcgctgggcc atgcgctggt ggtggcggtg 300

ttcgcgaccg cagggttcca catctccggc gcccacatga acccggccgt cacgctc 357

<210> 9371
<211> 413
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068c07b1

<400> 9371

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accttgcagc cctgaaatat tggggcataa ctcaacccac caaactaaac ttcaatattt 180

ctgattatgc aaaagaaatt gagatcatga agagcatgaa tcaagatgaa tttgtggcct 240

acataaggag gcagagtagt tgtttctcaa gaggaacatc gtcatacagg ggtgtaacaa 300

gacgaaagga tggtaaatgg caagcacgta ttggtaggat tggtgagagt agagacacta 360

aagacatcta tcttgggacc tttgaaactg aagtggaggc agctgaagcg tat 413

<210> 9372
<211> 454
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068c08b1

<400> 9372

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agcgccgcaa cgggctcctg aagaaggcgc acgagatctc cgtcctctgt gacgcggagg 120

tcgccgtcat cgtcttctcc cccaaaggca agctctatga gtacgccacc gactccagca 180

tggacaaaat tcttgaacgt tatgagcgct actcttatgc tgaaaaggct cttatttcag 240

ctgaatctga aagtgaggga aattggtgcc acgaatacag gaaacttaag gcgaagattg 300

agaccataca aaaatgtcac aagcacctca tgggagagga tctggattct ctgaatctca 360

aagaactcca acagctggag cagcagctgg agagttcatt gaagcacatc cgatcgagaa 420

agagccatct tatgatggag tccatttctg agct 454

<210> 9373
<211> 400
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068c09b1

<400> 9373

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gaggccgagt agctagccta gtctagggtt tcggtagaga ggaagtgaga tccatggcgg 120

agacggagta ccgctgcttc gtgggcggcc tcgcctgggc caccgacgac aacaacctcc 180

agcaggcctt cagccagtac ggcgagatcc tcgacgccaa gatcatcaac gaccgcgaga 240

cggggaggtc ccgtgggttc ggcttcgtca cgttcggcag cgaggagtcg atgcgccagg 300

ccatcgagga gatgaacggc aaggagctcg acgggcgcaa catcaccgtc aacgaggccc 360

agtcccgccg ctccggcggt gggggcggcg gcggcggcta 400

<210> 9374
<211> 478
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068c11b1

<400> 9374

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gcacctgtgc ctggtgaggt tcaaggaggg cgtggtggtg gaggacatca ttgaggagct 120

caccaagctc gccgcggagc tcgacaccgt caaattcttc gggtggggaa aggacgtgct 180

gaaccaggag gcgctgacgc agggcttcac ccacgtcttc tccatgagct tcgccagcgc 240

cgaggacctg gcggcgtaca tgggccacga gaagcactct gcgttcgccg ccaccttcat 300

ggccgtgctc gacaaggtgg ttgtcctgga cttccccttc gtcgtcgcca agccggtgcc 360

atcgcctgag gccgcttgaa tgatacaccc caccccagta tctatctgtt actacttcct 420

ccgtctaaaa aagcttgaat gatatataca ccccacccca ctgtctatct gttactac 478

<210> 9375
<211> 477
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189068c12b1

<400> 9375

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tanacaatct cgccgggccc atagtttcac tcgcttatcc tctgtatgcg tctgttcgag 120

caatagaaac aaaatctcct attgatgatc agcaatggct cacttactgg gtgctgtact 180

cgtttatcac tctgtttgag ctcacttttg ctgcagtaat tgaatggctc cctttctggt 240

cttatggaaa gctgtttttc aattgctggt tggtcttgcc ctactttaac ggtgctgcgc 300

atgtttatga gcattttgtg cggccaatga ttgtgaacca gcaggttgta aacatctggt 360

atcttccaaa aaaggaaggt tcagacaaac ctgacgatgt aatttcagct gcacagaaat 420

acattgaaca aaatggatca aaagcatttg agactctcgt taacaagttt aagacta 477

<210> 9376
<211> 393
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189068d01b1

<400> 9376

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cggatcgaac ggccggccta cccaccccac ccccctaccc gtcagcctag ggttttgagt 120

ccgacgcctc cgcctccgcc gcgcaccatg ggccccgacg agctccccaa ggccgccgcc 180

gccggtgccg acgagatttc cccgttctcc ttcagcatct ggccgccgac gcagcggacg 240

cgggacgccg tggtgcggcg cctggtggac accctggccg gcgacaccct cctctgcaag 300

cgctacggcg ccgtgccggc cgccgacgcc gagcccgccg cgcgcgccat cgaggccgag 360

gccttcgacg ccgccgccgt caccggcggg gcc 393

<210> 9377
<211> 263
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068d02b1

<400> 9377

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cagccaccca ccaccgccga gagactagca ccacgagcga gctcggccga ttccgattcc 120

gtctgcgcta ttaaggtttg tttggaggaa ggggaggagt ctctgaggtg gagctgagga 180

gagagaccgg agatggcggc ttccgcgagg caaggggaga gggcgaccag cttcgccatg 240

gcctgcagcc tgctcagccg cta 263

<210> 9378
<211> 384
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068d03b1

<400> 9378

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actcggagca ggacttcgtg gacgcccaca acgcggcgcg cgccgacgtg ggccttgggg 180

aggtgacatg ggacgctacg gtggcagcct tcgcgcagga ctacgcggat cagcgccgcg 240

gcgactgcca gctgatccat actcctgatg gccggccgta cggggagaac ctctacggag 300

gcggcgggac cgagtggacg gcgacggacg ccgtgaattc gtgggtgtcg gagaagcagt 360

actacgacca cgacagcaac acct 384

<210> 9379
<211> 450
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068d04b1

<400> 9379

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caacttgaga gcagtaagct aaaacttgca agcctggaac aagaactcca gaaagctcga 120

cagcaaggaa tcttcatttc tagctctggg gatcaaactc atgctatgag tggaaatgga 180

gcgatgacat ttgatttaga atatactcga tggctagagg agcaaaataa gcagataaat 240

gagctgagga ctgcagtaaa tgctcatgca agtgatagtg acctccgtct tattgtagat 300

ggaataatgg cacattatga cgaaatattc aagctgaagg gcgctgctgc aaaggctgat 360

gtgtttcata tactttcagg catgtggaaa acacctgctg aaaggtgttt tttgtggctt 420

gggggtttcg ttcgtctgag cttttaaagc 450

<210> 9380
<211> 441
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068d05b1

<400> 9380

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ggactaataa caagtctggc ttcaagtcaa tgagaggatg gtgacggtgg catggcgatt 120

ggtgagcaag ctgtggtctc atttgctggc aggcacatgc ctaccactag cggctgcgac 180

taaccggcat tttcgccgat gcctccagcc cggaccggaa caagaacgca gattgtacaa 240

ctctctcgtc gatggactgt acatcgttca tgtcggatta acactcgtgg taatgtatta 300

tagtttttct accgcgcgga tctctttatc gtacgagagg accatgtgaa tgaaactgtt 360

gctcctcctt tccccctct aaattcaaag gattcaagca ggcatatacg ccaataaaaa 420

ctggtaagag tcttgggtgc t 441

<210> 9381
<211> 443
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068d06b1

<400> 9381

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gggcacagag aagtcatttg gaacaacaaa agatcggatg ctatacatcg agaagtgtgc 120

caattccaaa gctgtaacta ttttcatccg tggtggcaac aaaatgatga ttgaggagac 180

caagcgaact attcatgatg ctctatgtga tgcaaggaat ctgatcatca acaactcaat 240

tgtgtatggt ggtggctcac cagaaatatc ttgctcaatt gctgttgatg ctgcagcaga 300

tcggcatcct gaagttgagc agtatgcaat cagggcattt gctgatgctt tggatgccat 360

tccactagct ttagctgaaa acagtggttt gccgtctatt gatactctca ctgtcgtaaa 420

atcccaacat gtcaaggaga aca 443

<210> 9382
<211> 302
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068d07b1

<400> 9382

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ccgcgggagc cggaccccga tcaccacgct ccggtgtcgc cgggcgcttc cgaagaggaa 180

gagggcgcca gcggcgcggt cgaggcgggg caggacgacg acgcgcctga cccggaggac 240

gagccggagg agggcggtga cgccacggag gacgatatgg acgaggagga ggaggaggag 300

ga 302

<210> 9383
<211> 422
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068d08b1

<400> 9383

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agaaatcgac gaggccgcct ctcgggctca ggctgacatg tcggagatca tgtcgtcgct 180

cccacggtgc ccggtgtacc ttactcacca ctaccgcggc ttctggatcc gcgagttcgt 240

cctcaagggc atggccgccg ctcaggcatc cttcgagcca aggccaaccg acgtcttcct 300

cgccagctgc cccaagtccg gcaccacctg gctcaaggcg ctcgcctttg cgacgctcaa 360

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ct 422

<210> 9384
<211> 496
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189068d10b1

<400> 9384

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gtccgtctgt ccgtccgcgc gcgctctgcg ttctttggga ggggggaaat ggcggcgaag 120

cgcgagctgg tggtcagctt cggggagatg ctgatagact tcgtgccgac ggtggccggg 180

gtgtcgctgg cggaggcgcc ggccttcgtc aaggcgcccg ggggcgcccc tgccaacgtc 240

gccatcgccg tcgcgcgcct cggcggcgcc gccgccttcg tcggcaagct cggcgacgac 300

gagttcggcc gcatgctcgc caacatcctc cgcgacaacg gcgtcgacgc cggcggcgtc 360

gtcttcgact cgggcgcgcg caccgcgctc gccttcgtca cgctgcgcgc cgacggngag 420

cgcgagttca tgttctaccg caaccccagc gccgacatgc tcctcaccgc cgacgagctc 480

aaggtcgacg tcatca 496

<210> 9385
<211> 475

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068d11b1

<400> 9385

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aatagaaaca aaatctccta ttgatgatca gcaatggctc acttactggg tgctgtactc 180

gtttatcact ctgtttgagc tcacttttgc tgcagtaatt gaatggctcc ctttctggtc 240

ttatggaaag ctgtttttca attgctggtt ggtcttgccc tactttaacg gtgctgcgca 300

tgtttatgag cattttgtgc ggccaatgat tgtgaaccag caggttgtaa acatctggta 360

tcttccaaaa aaggaaggtt cagacaaacc tgacgatgta atttcagctg cacagaaata 420

cattgaacaa aatggatcaa aagcatttga gactctcgtt aacaagttta agact 475

<210> 9386
<211> 393
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068d12b1

<400> 9386

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catcctttct acataatctt acccttacat tttgaacttg tcaaaagtac ccagtagcat 180

aaactacaag cacaatgccc gccgacgact aacaacgacc aagatttgca gcaagtccag 240

cccgccttgc ttctcagttg ggcttttcct cctggcactt ggagcaggta cacgtgaacc 300

cgtagtccgc gagctccgcc tgccgctcct cgtagggaag ttcttcgtcg atgtaggaga 360

tgggtgatct cttcgccctt gctgataggc ccc 393

<210> 9387
<211> 332
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations

<223> Clone ID: uC-tsrow189068e01b1

<400> 9387

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tcgacaatct tttctccgtt caagatgacc atcatcatcg agcagcctca gtttgatgcg 120

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